Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.Anita Shukla **Class: B.Sc.lll**

Course Type: Theory/ Practical **Course Code/ Title:BPH 302 SOLID STATE PHYSICS and SOLID STATE DEVICES AND ELECTRONICS**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
August	Unit l Crystal Structure	Crystalline solids, elements of symmetry,seven system cubic lattice, Miller Indices, Laue equation Bragg's law, bonding in solids,Madlung constant.	06	Chalk and talk
September	Unit l and ll Solid state Physics	Specific heat of solids Dulong Petits law, Einstein s model ,Debyes model Brillouin zone, Free electron model,Schrodinger equation in constant potential, Fermi energy,Kronig Penny model,	10	Chalk and talk, group discussion method
October	Unit ll Magnetism	Classification of Substances, Langevin theory of dimagnetism, Langevin theory of Paramagnetism, Curie - Weiss law, Ferromagnetic substances,B-H curve, Hestersis	11	Chalk and talk, presentation method, interaction method
November	Unit lll Basic idea of electronics	Semiconductor, Fermi level,donar acceptor level,Diode equation, Tunnel diode, Zener diode,LED,solar cell	12	Chalk and talk method, group discussion method, objective type questions test
December	Unit lll and lV Transistor, Amplifier and Oscillator	Transistor and it's types , characteristics of transistor,FET, half and full wave rectifier, Filters,Power supplies, Amplifier and it's different types and applications , Oscillator and it's different from	13	Chalk and talk method, group discussion method
January	Unit V Computer programming	Computer hardware,MS word,C programming	06	Power Point Presentation method, and chalk and talk method
February	PRACTICAL	PRACTICAL EXAM		

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.Anita Shukla **Class/ Semester: M.Sc.lll ,Semester**

Course Type: Theory/ Practical Course Code/ Title: MPH 304 SPECIAL PAPER ll ELECTRONICS

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
August	Unit 2 Optoelectronics	Photo detector,photo conductor	06	Power Point Presentation and chalk and talk method, home assignment
September	Unit 2 Optoelectronics	Photo diode,LED it's principles working and applications, seven segment display	07	Chalk and talk method, group discussion method Seminar presentation, home assignment
October	Unit 2 and 1 Digital Instruments	Digital instruments it's advantage and disadvantage, Half and Full Adder, Substractor, binary Adder,Decoder ,Encoder,	07	Power Point Presentation method and chalk and talk method
November	Unit 1 Sequential Logic Circuits	Flip flops it's different types of basic principles and applications, Registers , Counters,	07	Chalk and talk method, seminar presentation, home assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.Anita Shukla **Class/ Semester: M.Sc.l ,Semester**

Course Type: Theory/ Practical Course Code/ Title: MPH101: Mathematical Physics

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
August	Unit 3	Special Functions- Solution of second order linear differential equation with constant coefficients, Second orders linear ODEs with variable coefficient, Series intregation method of the solution of linear differential equation (Frobenius method),	06	Power Point Presentation and chalk and talk method, home assignment
September	Unit 3	Solution by series expansion and Legendre, Bessel's, Hermite and Lagurre equation, Physical applications, Generating Functions, recurrence formulae, orthogonality, Rodrigueues formula of Legendre, Hermite and Laguerre polynomials.	07	Chalk and talk method, group discussion method Seminar presentation, home assignment
October	Unit 4	Integral Transform – Laplace's Transformation - Definition of Laplace's transform sectional or piecewise continuity, functions of exponential order, sufficient condition for existence of Laplaces transfrom, first and second shifting theorem,change of scale property, properties linearty theorem similarty theorem and Conjugate theorem, Fourier Transform of derivatives.	07	Power Point Presentation method and chalk and talk method
November	Unit 4	LT of derivatives and LT of integrals, Inverse LT definition and properties, Inverse LT by Partial fraction, Fourier series, Fourier Transform definition	07	Chalk and talk method, seminar presentation, home assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.Anita Shukla **Class/ Semester: M.Sc.ll ,Semester**

Course Type: Theory/ Practical Course Code/ Title: Paper III

MPH203: ELECTRODYNAMICS

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JANUARY	Unit 1	Review of four vectors, Lorentz transformation of space and time in four-vector form. Maxwell's field equations in terms of four vectors, vector potential and scalar potential, electromagnetic field tensor,	06	Power Point Presentation and chalk and talk method, home assignment
FEBRUARY	Unit 1	Maxwell's equations in covariance four tensor form, Lorentz Transformation of electric and magnetic Fields, The invariants of the electromagnetic field, Retarded potential, Lienard Wiechert potentials.	07	Chalk and talk method, group discussion method Seminar presentation, home assignment
MARCH	Unit 2	Electric and Magnetic fields due to a uniformly moving charge, variation of accelerated charge at low velocity - Larmour's formula, relativistic generalization of Larmour's formula,	07	Power Point Presentation method and chalk and talk method
APRIL& MAY	Unit 2	Bremrstrahlung radiation, Synchrotron Radiation, Cerenkov radiation, Angular distribution of radiation emitted by an accelerated charge, radiation damping- Abraham- Lorentz formula.	07	Chalk and talk method, seminar presentation, home assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.Anita Shukla **Class/ Semester: M.Sc.lV, Semester**

Course Type: Theory/ Practical Course Code/ Title: MPH402: COMPUTATIONAL PHYSICS & FORTRAN PROGRAMMING

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JANUARY	Unit 1	Solution of algebraic and transcendental equation, Newton-Raphson method, bisection method, Regula – Falsi method, Iteration method, rate of convergence of Newton's method when there exist double roots gauss iterative method.	06	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
FEBRUARY	Unit 1	Method of Solution using the inverse of the matrix, jacobies method eigen value and eigen vector matrices.	07	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
MARCH	Unit 2	Finite difference and Interpolation: (1) Finite difference forward difference, back ward difference, central difference. (2) Difference of polynomial. (3) Factorial notation, Newton's Interpolation formulae, central difference interpolation formulae. Choice of an interpolation formulae interpolation with unequal intervals.	07	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
APRIL& MAY	Unit 2	Curve fitting: Graphical method, principle of least Square, method of least squares and cubic spline Error's in the cubic spline derivatives.	07	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Power Point Presentation 7. Home Assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. Jagjeet Kaur Saluja **Class: M.Sc. Sem-I**

Course Type: Theory **Course Code/ Title:MPH101,/** MATHEMATICAL PHYSICS

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
August September	Unit –I/	Basic idea of Group, Finite and infinite group, Identity element, Groups of Vector, Ordered set of numbers, Linear dependence and independence of Vector, Properties of linearly independent and dependent System, subspace Subspace of n- Vector s, Vector field, orthonormal vectors, orthonormalzation by Scmidts orthogolization method linear transformation of the space, Vector space of n-duplets, Inner product space, linear transformation, homogeneous and non homogeneous transformation. full linear transformation of a quadratic form,	11	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Home Assignment
October November	Unit –II/	MATRICES – Real, symmetric and Hermitian matrices. matrices with polynomial elements the inverse matrix, orthogonal matrix, independent element of an orthogonal matrix, unitary matrix, independent element of a unitary matrix, Eigen Values and eigen vectors, Diagonalization of matrix. Linear equation, Solution of linear equation by Cramer's rule.	12	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. Jagjeet Kaur Saluja **Class: M.Sc. Sem-II**

Course Type: Theory Course Code/ Title:MPH202,/ Paper-II- STATISTICAL MECHANICS

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
January February	Unit –I/	Foundation of statistical mechanics – Specification of the state of a system statistical ensemble, contact between statistical and thermo dynamical quantities, Micro canonical ensemble, perfect gas in micro canonical ensemble, partition function and its correlation with thermodynamic quantities nature of probability function partition function for canonical ensemble thermodynamic functions for canonical ensemble. Perfect mono atomic gas in canonical ensemble, Grand canonical ensemble: Partition function and thermo dynamic function for grand canonical ensemble, Perfect gas in grand canonical ensemble.	12	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Home Assignment
March April May	Unit –II/	Classical ideal gas entropy of mixing, Gibbs's paradox, Phase space Liouvelle's theorem, Maxwellian distribution from canonical distribution, Transition from classical statistical mechanics to quantum statistical mechanics, indistinguishability and quantum statistics . The density matrix, condition for statistical equilibrium, B.E., F.D. & M.B. statistics evaluation of constant α and β , Result of three statistics, Properties of ideal Bose gas, gas degeneracy, B.E. condensation, ideal fermi dirac gas – energy & pressure of gas & light and strong degeneracy.	13	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. Jagjeet Kaur Saluja **Class: M.Sc. Sem-III**

Course Type: Theory Course Code/ Title:MPH303,/ Paper-III- Special Paper-I (ELECTRONICS)

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
August September	Unit –I/	DIFFERENTIAL AMPLIFIERS: Circuit configuration, Dual Input-Balanced output differential amplifier, DC analysis AC analysis, Inverting and non-inverting, input, common mode rejection ratio. Dual input unbalanced-output differential amplifier, DC analysis, AC analysis, Single input, Balanced output differential amplifier DC analysis, AC analysis. Single input unbalanced output differential amplifier- DC analysis, AC analysis FET differential amplifier Differential amplifiers with swamping resistor, constant current bias, current mirror, cascaded differential amplifier cascade or CE-CB configuration.	12	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Home Assignment
October November	Unit –II/	OP-AMP : Block diagram of an op-Amp; Analysis of Typical OP-AMP equivalent circuits schematic symbol open loop OP-AMP configuration. Differential amplifier, inverting amplifier, non - inverting amplifier. An OP - AMP with negative feedback, closed loop Voltage gain, Difference input Voltage ideally zero, Input resistance with feedback, output resistance with feedback, Band width with feedback. Total output offset Voltage with feedback, Voltage follower. PRACTICAL OP-AMP- Introduction, Input offset Voltage, Input offset, current. Common mode configuration and CMRR, CMRR as a function of frequency	13	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. Jagjeet Kaur Saluja **Class: M.Sc. Sem-IV**

Course Type: Theory Course Code/ Title:MPH 401,/ Paper-I- LASER PHYSICS & APPLICATION OF LASER

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
January February	Unit –II/	Laser System: a) Ruby Laser: A three level system, pumping power, spiking. b) Neodymium Lasers: Nd-YAG Laser, Nd-Glass Laser. c) Semiconductor Lasers: Central features, Intrinsic, doped and injection Laser, application. d) Gas Laser: Nitrogen (Vibronic) Lasers, Carbon dioxide laser excimer laser.	12	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Power Point Presentation
March April May	Unit – III/	a) Laser spectroscopic Techniques: Raman Scattering, Stimulated Raman effect, Hyper Raman Effect, Photo-acoustic Raman spectroscopy(PARS) b) Nonlinear interaction of light with matter: Harmonic generation, Phase matching optical mixing, parametric generation of light, self-focusing. c) Multiphoton processes & applications: Multiquantum photoelectric effect, theory of two photon processes, Doppler free two photon spectroscopy, multiphotons processes, phase conjugate optics (elementary) parametric light oscillators.	13	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Power Point Presentation 7. Seminar 8. Home Assignment 9. Project

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. Jagjeet Kaur Saluja **Class: Ph.D (COURSE WORK)**

Course Type: Theory **Course Code/ Title: Ph. D (PHYSICS)**

DRC MEETING DATE : 02 APRIL 2024

COURSE WORK CLASS STARTED: 06 APRIL 2024

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
APRIL	Unit –II	UNIT – II Techniques for Characterization of Luminescent Materials Techniques for ML measurement and TL measurements. Differential Scanning Calorimetry (DSC), Thermal Gravimetric Analysis (TGA).	03	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Analysis Method 5. PPT Method 6. Discussion on Literature Review
MAY	Unit –II/	Measurement techniques to study Photoluminescence response, UV-visible spectrometry. Thermal analysis: Differential Thermal Analysis (DTA), Differential Scanning Calorimetry (DSC), Thermal Gravimetric Analysis (TGA).	05	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Analysis Method 5. PPT Method 6. Discussion on Literature Review
JUNE & JULY	LITERATURE REVIEW	ANALYSICS OF LITERATURE REVIEW	7	1. Group Discussion 2. Analysis Method 3. PPT Method 4. Discussion on Literature Review 5. PPT Presentation

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.JAGJEET KAUR SALUJA **Class: B.Sc. III Semester**

Course Type: Theory **Course Code/ Title: BPH 301/ THERMODYANAMICS**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JULY	Unit I	Laws of Thermodynamics: Thermodynamic Description of system: Zeroth Law of thermodynamics and temperature. First law and internal energy, conversion of heat into work, Various Thermodynamical Processes,	07	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
AUGUST	Unit I	Applications of First Law: Work Done during Isothermal and Adiabatic Processes, Compressibility & Expansion Coefficient, Reversible & irreversible processes, Second law & Entropy, Carnot"s cycle & theorem, Entropy changes in reversible & irreversible processes, Entropy-temperature diagrams, Third law of thermodynamics, Unattainability of absolute zero.	09	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
SEPTEMBER	Unit II	Thermodynamic Potentials: Enthalpy, Gibbs, Helmholtz and Internal Energy functions, Maxwell"s relations & applications - Joule-Thompson Effect,	10	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
OCTOBER& NOVEMBER	Unit II	Clausius- Clapeyron Equation, General Relation Between CP & CV, Expression for (CP – CV), CP/CV, TdS equations.	11	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving

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Academic Session : 2023-24

Name of Department : PHYSICS

Name of Teacher : Dr. Rama Shankar Singh **Class : B. Sc. l**

Course Type : Theory/ Practical **Course Code/ Title : BPH 101/Mechanics**

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Aug.	Unit-I Vectors; Ordinary Differential Equations	Vector algebra, scalar and vector products, derivative of a vector with respect to a parameter. 1st order homogeneous differential equations, 2nd order homogeneous differential equations with constant coefficients.	04	1. Power point presentation 2. Board & Chalk method
Sept.	Unit-II Laws of motion, Momentum & energy	Frames of reference, Newton's laws of motion, dynamics of a system of particles, centre of mass. Conservation of momentum, work & energy, conservation of energy, motion of rockets.	08	1. Board & Chalk method 2. Flip the class method
Oct.	Unit-III Rotational motion & Gravitation	Angular velocity & angular momentum, torque, conservation of angular momentum. wton's law of gravitation, motion of a particle in a central force field, Kepler's laws, satellite in circular orbit and applications, geosynchronous orbits, weightlessness, basic idea of GPS.	08	1. Board & Chalk method 2. Seminar presentation 3. Group discussion method
Nov.	Unit-IV Special Theory of Relativity	Reference systems, inertial frames, Galilean invariance, propagation of light, Michelson-Morley experiment, search for ether, Postulates of special theory of relativity, Lorentz transformations, length contraction, time dilation, velocity addition, variation of mass with velocity, mass-energy equivalence, particle with	10	1. Board & Chalk method 2. Group discussion method

		zero rest mass.		
Dec.	Unit-V Elasticity	Hooke's law, stress-strain diagram, elastic moduli, relation between elastic constants, Poisson ratio, expression for Poisson-ratio in terms of elastic constants, work done in stretching & work done in twisting a wire, twisting couple on a cylinder, determination of rigidity modulus by static torsion, torsion pendulum, determination of rigidity modulus and moment of inertia – I, η and σ by Seale's method.	9	1. Board & Chalk method 2. Group discussion method

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Academic Year : 2023-24

Name of Department : PHYSICS

Name of Teacher : Dr. Rama Shankar Singh **Class : B. Sc. lII**

Course Type : Theory/ Practical **Course Code/ Title : BPH 05/Relativity, Quantum Mechanics, Atomic, Molecular & Nuclear Physics**

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Jul.	**Unit l** Relativistic Mechanics	Reference systems, inertial frames, Galilean invariance propagation of light, Michelson-Morley experiment, search for ether. Postulates for the special theory of relativity, Lorentz transformations, length contraction, time dilation, velocity addition, variation of mass with velocity, mass-energy equivalence, particle with zero rest mass, Compton effect	10	1. Chalk and talk, method, interaction method 2. Group discussion method
Aug.	**Unit ll** Quantum Mechanics	Origin of the quantum theory : Failure of classical physics to explain the phenomena such as black-body spectrum, photoelectric effect, Compton effect, Wave-particle duality, uncertainty principle, de Broglie's hypothesis for matter waves, the concept of Phase and group velocities, experimental demonstration of matter waves. Davisson and Germer's experiment. Consequence of de Broglie's concepts, Bohr's complementary Principle, Bohr's correspondence principle.	11	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Sept.	**Unit ll** Quantum Mechanics	Bohr's atomic model, energies of a particle in a box, wave packets. Consequence of the uncertainty relation, gamma ray microscope, diffraction at a slit.	10	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method

Oct.	**Unit III** Quantum Mechanics	Quantum Mechanics: Schrodinger equation, Postulates of quantum mechanics, operators, expectation values, transition probabilities, applications to particle in a one and three dimensional boxes, harmonic oscillator in one dimension, reflection at a step potential, transmission across a potential barrier, hydrogen atom, natural occurrence of n, l and m quantum numbers.	06	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Nov.	**Unit lV** Atomic and Molecular Spectroscopy	Spectra of hydrogen, deuteron and alkali atoms, spectral terms, doublet fine structure, screening constants for alkali spectra for s, p, d and f states, selection rules, Discrete set of electronic energies of molecules, quantization of vibrational and rotational energies, determination of internuclear distance, pure rotational and rotation-vibration spectra.	10	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method 4. Flip the class method
Dec.	**Unit IV & V** Atomic and Molecular Spectroscopy Nuclear Physics	Dissociation limit for the ground and other electronic states, Stokes and anti-Stokes lines, complimentary character of Raman and infrared spectra, experimental arrangements for Raman spectroscopty. Interaction of charged particles and neutrons with matter, working of nuclear detectors, GM counter, proportional counter and scintillation counter, cloud chamber, spark chamber, emulsions. Lab work on practicals.	11	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Jan.	**Unit V** Nuclear Physics	Structure of nuclei, basic properties of nuclei, deuteron binding energy, p-p and n-p scattering and general concepts of nuclear forces, beta decay, range of alpha particles, Geiger-Nuttal law, Gamow's explanation of alpha decay, continuous and discrete spectra, Nuclear reactions. Lab work on practicals.	10	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method

Feb.	**Unit V** Nuclear Physics	Shell model & liquid drop model, fission and fusion (concepts), energy production in stars by p-p and carbon cycles (concepts)..	8	1. Chalk and talk, method, interaction method 2. Seminar presentation

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Teaching Plan

Academic Session : 2023-24

Name of Department : PHYSICS

Name of Teacher : Dr. Rama Shankar Singh **Class : M. Sc. Ist Semester**

Course Type : Theory/ Practical **Course Code/ Title : MPH 103/Quantum Mechanics**

Month /Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Aug.	**Unit I** Origin of Quantum Mechanics	Born's statistical and Bohr-Heisenberg's (Copenhagen) interpretations of wave function, Superposition of states and collapse of wave function, Schrodinger cat experiment and EPR paradox	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Sept.	**Unit I** Mathematical Formalism	Linear vector space, Wave function as a vector in Hilbert space, Dirac's bra and ket notations, orthogonality and completeness conditions, Observables and operators, Properties of Hermitian operators, Expectation values, Unitary transformations, Momentum representation, Ehrenfest's theorem, Dirac delta Function	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Oct.	**Unit II** Uncertainty Principle	Hesenberg uncertainty principle, its theoretical proof and applications	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Nov.	**Unit II** Quantum Dynamics	Rectangular potential barrier and tunneling, Linear Harmonic oscillator solution using creation and annihilation operators	10	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Dec.	**Unit II** Quantum Dynamics	Schrodinger, Heisenberg and Interaction pictures	07	1. Power point presentation 2. Seminar presentation

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Class : M. Sc. IIIrd Semester

Course Type : Theory/ Practical Course Code/ Title : MPH 302/Nuclear & Particle Physics

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Oct.	**Unit lll** Nuclear Decay	Gamow theory of α-decay, angular momentum and parity in α-decay; β-decay, Shape of the β-spectrum, Parity violation, Fermi theory of β-decay, total decay rate, allowed and forbidden transitions.	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Nov.	**Unit lll** Multipole radiation	Multipole radiative transitions in nuclei (γ-radiation), Angular momentum and parity selections rules in multipole radiation, Internal conversion, Nuclear isomerism.	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Dec.	**Unit lV** Elementary Particles	Types of interactions between elementary particles, Hadrons and Leptons, Symmetry and conservation laws, Starngeness, Hypercharge, CPT invariance; Classification of elementary particles.	08	1. Board & Chalk method 2. Power point presentation 3. Seminar presentation 4. Group discussion method
Jan.	**Unit lV** SU(2) & SU(3) symmetry, Quark colours & flavours	Basic idea of SU(2) symmetry, SU(3) symmetry and Quark model, Gellmann-Nishijima formula, Gell-Mann Okubo Mass Formula, Flavours and *Colours of Quarks.*	07	1. Power point presentation 2. Seminar presentation 3. Online Assignment

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Class : M. Sc. II[nd] Semester

Course Type : Theory/ Practical **Course Code/ Title : MPH 201/Quantum Mechanics**

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Feb.	**Unit I** Perturbation Theory	Time dependent perturbation theory, Harmonic perturbation, Fermi's golden rule	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Mar.	**Unit I** Perturbation Theory	Variation method and its application to calculate expectation value of the energy, WKB approximation and its applications, adiabatic and sudden approximations	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Apr.	**Unit II** Quantum Scattering	Scattering in laboratory and center of mass reference frames, scattering amplitude, differential scattering cross section and total scattering cross section, Spherically symmetric potentials	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
May	**Unit II** Quantum Scattering	Partial wave analysis and phase shifts, scattering by perfectly rigid sphere and by square well potential, Greens function, Born approximation and its validity	07	1. Power point presentation 2. Seminar presentation 3. Online Assignment

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Class : M. Sc. IVth Semester

Course Type : Theory/ Practical Course Code/ Title : MPH 402/Computational Physics

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Feb.	**Unit lll** Numerical solutions of ODEs	**Numerical solution of ordinary differential equation** : Picard's method, Taylor series method Euler's method . Modified Euler's method, **Runge's Method** : Runge kutta method.	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Mar.	**Unit lll** Numerical solutions of ODEs	**Predictor corrector method** : Milne's method, Adam-Bashforth's method. **Solution of partial differential equation:** function of two or more variables, partial derivates.	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Apr.	**Unit lV** Numerical Differentiation	**Numerical differentiation :** Formula for derivatives using Newton's forward difference formula, Derivatives using Newton's backward difference formula, Derivatives using Stirling's central difference formula, Maxima and Minima of a tabulated function.	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
May	**Unit lV** Numerical Integration	**Numerical Integration :** Newton-Cotes Quadrature formula-Trapezoidal rule, Simpson's one-third rule, Simpson's three-eighth rule and Boole's rule.	07	1. Power point presentation 2. Seminar presentation 3. Online Assignment

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Teaching Plan

Academic Session : 2024-25

Name of Department : PHYSICS

Name of Teacher : Dr. Rama Shankar Singh **Class : M. Sc. Ist Semester**

Course Type : Theory/ Practical **Course Code/ Title : MPH 103/Quantum Mechanics**

Month /Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Aug.	**Unit I** Origin of Quantum Mechanics	Born's statistical and Bohr-Heisenberg's (Copenhagen) interpretations of wave function, Superposition of states and collapse of wave function, Schrodinger cat experiment and EPR paradox	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Sept.	**Unit I** Mathematical Formalism	Linear vector space, Wave function as a vector in Hilbert space, Dirac's bra and ket notations, orthogonality and completeness conditions, Observables and operators, Properties of Hermitian operators, Expectation values, Unitary transformations, Momentum representation, Ehrenfest's theorem, Dirac delta Function	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Oct.	**Unit II** Uncertainty Principle	Hesenberg uncertainty principle, its theoretical proof and applications	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Nov.	**Unit II** Quantum Dynamics	Rectangular potential barrier and tunneling, Linear Harmonic oscillator solution using creation and annihilation operators	10	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Dec.	**Unit II** Quantum Dynamics	Schrodinger, Heisenberg and Interaction pictures	07	1. Power point presentation 2. Seminar presentation

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Class : M. Sc. III[rd] Semester

Course Type : Theory/ Practical Course Code/ Title : MPH 302/Nuclear & Particle Physics

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Oct.	**Unit III** Nuclear Decay	Gamow theory of α-decay, angular momentum and parity in α-decay; β-decay, Shape of the β-spectrum, Parity violation, Fermi theory of β-decay, total decay rate, allowed and forbidden transitions.	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Nov.	**Unit III** Multipole radiation	Multipole radiative transitions in nuclei (γ-radiation), Angular momentum and parity selections rules in multipole radiation, Internal conversion, Nuclear isomerism.	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Dec.	**Unit IV** Elementary Particles	Types of interactions between elementary particles, Hadrons and Leptons, Symmetry and conservation laws, Starngeness, Hypercharge, CPT invariance; Classification of elementary particles.	08	1. Board & Chalk method 2. Power point presentation 3. Seminar presentation 4. Group discussion method
Jan.	**Unit IV** SU(2) & SU(3) symmetry, Quark colours & flavours	Basic idea of SU(2) symmetry, SU(3) symmetry and Quark model, Gellmann-Nishijima formula, Gell-Mann Okubo Mass Formula, Flavours and *Colours of Quarks.*	07	1. Power point presentation 2. Seminar presentation 3. Online Assignment

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Class : B. Sc. Vth Semester

Course Type : Theory/ Practical

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Aug.	**Unit I** Wave-particle duality	Planck's constant and light as a collection of photons, Photo-electric effect, and Compton scattering, de-Broglie wavelength and matter waves, Davisson-Germer experiment Problems with Rutherford model, instability of atoms and observation os discreet atomic spectra, Bohr's quantization rule and atomic stability, calculation of energy levels for hydrogen like atoms and their spectra	04	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Sept.	**Unit II** Quantum Mechanics	Position measurement, gamma ray microscope thought experiment, wave-particle duality, Heisenberg uncertainty principle, impossibility of a particle following a trajectory, estimating minimum energy of a confined particle using uncertainty principle, energy-time uncertainty principle Two slit interference experiment with photons, atoms and particles, linear superposition principle as a consequence, matter waves and wave amplitude, Schrodinger equation for non-relativistic particles, momentum and energy operators, stationary states, physical interpretation of wave function, probabilities and normalization, probability and probability current densities in one dimension	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Oct. .	**Unit III** Quantum Mechanics	One dimensional rigid box, eigen values and eigen functions, normalization, quantum dot as an example, quantum mechanical scattering and tunneling in one	08	1. Power point presentation 2. Seminar presentation 3. Online

		dimension across a step potential and a rectangular potential barrier		Assignment
Nov.	**Unit IV** Nuclear Physics	Size and structure of atomic nucleus and its relation with atomic weight, impossibility of an electron being in the nucleus as a consequence of the uncertainty principle, nature of nuclear force, N-Z graph, semi-emperical mass formula and binding energy Fission and fusion, mass defect, relativity and generation of energy, Fission - nature of fragments and emission of neutrons, Nuclear reactor, slow neutrons interacting with U-235, Fusion and thermonuclear reaction	07	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Dec.	**Unit V** Radiactivity	Radioactivity, stability of nucleus, law of radioactive decay, mean life and half-life, β decay – energy released, spectrum and Pauli's prediction of neutrino, γ-ray emission	07	1. Power point presentation 2. Seminar presentation 3. Online Assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. ABHISHEK KUMAR MISRA **Class: M.Sc. I Semester**

Course Type: Theory/ **Course Code/ Title: MPH 102/ CLASSICAL MECHANICS**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JULY & AUGUST	Unit 1 NEWTONIAN MECHANICS	Newtonian mechanics of one and many particle system; conservation laws. Working theorem, Constraints, their classification principle of virtual work.	10	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
SEPTEMBER	Unit I Generalized Coordinates	The basic problem with constraint forces. D'Alemberts principle degrees freedom generalized coordinates	08	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
OCTOBER	Unit III Hamilton's Principle and characteristic function	Principle of least action, Hamilton's Principle and characteristic function H-J (Hamilton Jacobi) equation	07	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
NOVEMBER	Unit III Canonical Transformation Study of small oscillations	Canonical Transformation, Generating Function, Poisson bracket, Poisson theorem, Study of small oscillations using generalized coordinates.	10	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures 6. Home Assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. ABHISHEK KUMAR MISRA **Class: M.Sc. II Semester**

Course Type: Theory/ PHYSICS **Course Code/ Title: MPH 204/ ATOMIC AND MOLECULAR**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JANUARY	Unit III The rigid rotator	The rigid rotator – The molecules as a rigid rotator, energy eigen values, Eigen function, spectrum. The non-rigid rotator energy levels,	9	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
FEBRUARY	Unit III The diatomic molecule as symmetric top	The diatomic molecule as symmetric top, asymmetric top and spherical top molecule, angular momenta, energy levels, Eigen functions, infrared spectrum	7	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
MARCH	Unit lV Molecules as Vibrating rotator	The diatomic molecule as anharmonic oscillator, energy levels, Eigen functions, spectrums. Molecules as Vibrating rotator,	08	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
APRIL& MAY	Unit lV Vibration spectrum of diatomic molecule	Vibration spectrum of diatomic molecule, P, Q and R branches, Applications of vibrational spectroscopy. Infra red spectrum, general experimental arrangement for studying infrared spectra	12	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Power Point Presentation 7. Home Assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. ABHISHEK KUMAR MISRA **Class: M.Sc. III Semester**

Course Type: Theory/ PHYSICS **Course Code/ Title: MPH 301/ CONDENSED MATTER**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JULY	Unit IV Classification of magnetic substances,	Classification of magnetic substances, Langevin's Diamagnetic equation, Quantum theory of paramagnetism & curie law, Weiss theory of ferromagnetism,	9	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures 6. PPT, PDF
AUGUST & SEPTEMBER	Unit lV magnon dispersion relation	Heisenberg's exchange interaction, analysis of exchange integral ,Ferromagnetic spin waves & magnon dispersion relation, Bloch $T^{3/2}$ law, Ferromagnetic order, structure of ferrites. Anti ferromagnetic ordering, Anti ferromagnetic magnons, Origin of ferromagnetic domains, Anisotropy energy, Bloch wall, exchange energy.	14	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures 6. PPT, PDF
OCTOBER	Unit lll Super conductivity, experimental survey	super conductivity, experimental survey, Meissner effect, Energy gap, Isotope effect, London equation, cooper pairs, BCS theory, Type I & Type II Superconductor, DC & AC Josephson Effect.	9	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures 6. PPT, PDF
NOVEMBER	Unit lll Nearly free electron model, Bloch theorem, Origin of energy gap, Brillouin zones,	Nearly free electron model, Bloch theorem, Origin of energy gap, Brillouin zones, Distinction between metals, insulators and semiconductors, Direct and indirect band gap semiconductor, equation of motion of electron in an energy band, concept of holes, effective mass, mobility Construction of Fermi surface, reduced and periodic zone Schemes, fermi surface study (i) de Haas Von Alfen Effect	10	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures 6. PPT, PDF 7. Home Assignment

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. ABHISHEK KUMAR MISRA **Class: M.Sc. IV Semester**

Course Type: Theory/ **Course Code/ Title: MPH 401/ LASER PHYSICS**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JULY & AUGUST	Unit I Laser Characteristics:	Laser Characteristics: Directionality, Intensity, Monochromatic Coherence, Kinetics of optical absorption, line-broadening mechanisms. Population inversion, Laser pumping. Resonators, Vibrational modes of resonators, Number of modes per unit volume, Quality factor Q, Loses inside the cavity, the threshold conditions.	14	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Topics allotted for Seminar Presentation 6. Topics allotted for Home Assignment
SEPTEMBER	Unit I Modes of rectangular cavity,	Modes of rectangular cavity, Mode selection, Q-switching, mode locking in lasers, General spherical resonator, higher order modes, Hole Burning.	08	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Video Lectures
OCTOBER	Unit IV Optical Fibre communication :	Optical Fibre communication: optical fibers numerical aperture, pulse dispersion in step index fibers, modal analysis for a step index fiber, pulse dispersion, multimode fibers, first and second generation fiber optic communication, single mode fiber	04	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving 5. Seminar Presentation
NOVEMBER	Unit IV Applications of Lasers:	Gaussian approximation, splice loss, vector modes optical fibre communications laser ranging, A brief description of Laser applications in industry, medicine, astronomy and biology. Application of laser in Isotope separation.	08	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Surprise test 5. Flip the class 6. Power Point Presentation 7. Seminar 8. Home Assignment 9. Project

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. ABHISHEK KUMAR MISRA Class: Ph.D (COURSE WORK)

Course Type: Theory Course Code/ Title: Ph. D (PHYSICS)

DRC MEETING DATE : 02 April 2024

COURSE WORK CLASS STARTED: 06 April 2024

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
April	Unit –I	UNIT- I Techniques for Structural, Microscopic, and Spectroscopic Characterization X-ray diffraction: coherent scattering of X-rays, reflected intensities, experimental methods of crystallography, particle size determination.	04	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Analysis Method 5. PPT Method 6. Discussion on Literature Review
May & June	Unit –II	UNIT – II Techniques for Characterization of Solid State Ionic and Luminescent Materials Solid State Ionic Materials: Characterization of ion transport properties; AC Impedance Spectroscopy (IS) for conductivity of (σ) measurements;	07	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Analysis Method 5. PPT Method 6. Discussion on Literature Review
July	LITERATURE REVIEW	ANALYSIS OF LITERATURE REVIEW	04	1. Group Discussion 2. Analysis Method 3. PPT Method 4. Discussion on Literature Review 5. PPT Presentation

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.ABHISHEK KUMAR MISRA **Class: B.Sc. I Semester**

Course Type: Theory **Course Code/ Title: BPH 101/ Mechanics**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JULY AUGUST	Unit 1	Vectors: Vector algebra. Scalar and vector products. Derivatives of a vector with respect to a parameter. Ordinary Differential Equations:1 st order homogeneous differential equations. 2 ndorder homogeneous differential equations with constant coefficients.	13	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
AUGUST-SEPTEMBER	Unit 2	Laws of Motion: Frames of reference. Newton's Laws of motion. Dynamics of a system of particles. Centre of Mass. Momentum and Energy: Conservation of momentum. Work and energy Conservation of energy. Motion of rockets	12	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
OCTOBER& NOVEMBER	Unit III	Rotational Motion: Angular velocity and angular momentum. Torque. Conservation ofangular momentum. Gravitation: Newton's Law of Gravitation. Motion of a particle in a central force field(motion is in a plane, angular momentum is conserved, areal velocity is constant). Kepler's Laws (statement only). Satellite in circular orbit and applications. Geosynchronous orbits. Weightlessness. Basic idea of global positioning system (GPS).	15	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.ABHISHEK KUMAR MISRA **Class: B.Sc. II Semester**

Course Type: Theory **Course Code/ Title: BPH 101/ Mechanics**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JANUARY	Unit 1	Vector Analysis: Review of vector algebra (Scalar and Vector product), gradient, divergence,	5	1 . Chalk and talk metho 2. Flip the class 3. Group discussion 4. Problem Solving
FEBRUARY	Unit I	Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors (statement only).	4	1 . Chalk and talk metho 2. Flip the class 3. Group discussion 4. Problem Solving
FEBRUARY	Unit II	Electrostatic Field, electric flux, Gauss's theorem of electrostatics. Applications of Gauss theorem- Electric field due to point charge, infinite line of charge,uniformly charged spherical shell and solid sphere, plane charged sheet, charged conductor.	6	1 . Chalk and talk metho 2. Flip the class 3. Group discussion 4. Problem Solving
MARCH	Unit II	Electric potential as line integral of electric field, potential due to a point charge, electric dipole, uniformly charged spherical shell and solid sphere. Calculation of electric field from potential, Energy per unit volume in electrostatic field. Dielectric medium, Polarisation, Displacement vector. Gauss's theorem in dielectrics. Parallel plate capacitor completely filled with dielectric.	12	1 . Chalk and talk metho 2. Flip the class 3. Group discussion 4. Problem Solving
APRIL & MAY	Unit III	Magnetism: Magnetostatics: Biot-Savart's law & its applications- straight conductor, circular coil, solenoid carrying current. Divergence and curl of magnetic field. Magnetic vector potential. Ampere's circuital law. Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic susceptibility. Brief introduction of dia-, para- and ferro-magnetic materials.	13	1 . Chalk and talk metho 2. Flip the class 3. Group discussion 4. Problem Solving

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr.ABHISHEK KUMAR MISRA **Class: B.Sc. III Semester**

Course Type: Theory **Course Code/ Title: BPH 301/ THERMODYANAMICS**

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JULY	Unit 1	Laws of Thermodynamics: Thermodynamic Description of system: Zeroth Law of thermodynamics and temperature. First law and internal energy, conversion of heat into work, Various Thermodynamical Processes,	08	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
AUGUST	Unit 1	Applications of First Law: Work Done during Isothermal and Adiabatic Processes, Compressibility & Expansion Coefficient, Reversible & irreversible processes, Second law & Entropy, Carnot"s cycle & theorem, Entropy changes in reversible & irreversible processes, Entropy-temperature diagrams, Third law of thermodynamics, Unattainability of absolute zero.	09	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
SEPTEMBER	Unit II	Thermodynamic Potentials: Enthalpy, Gibbs, Helmholtz and Internal Energy functions, Maxwell"s relations & applications - Joule-Thompson Effect,	10	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving
OCTOBER& NOVEMBER	Unit II	Clausius- Clapeyron Equation, General Relation Between CP & CV, Expression for (CP – CV), CP/CV, TdS equations.	10	1 . Chalk and talk method 2. Flip the class 3. Group discussion 4. Problem Solving

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. ABHISHEK KUMAR MISRA Class: M.Sc IV SEMESTER

PAPER II MECHANICS (ONE PERIOD PER WEEK) INTERDISCIPLINARY CLASS

Course Type: Theory Course Code/ Title: MMT402 (MECHANICS)

SATURDAY (4.00 PM TO 4.40PM)

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
JANUARY	Unit –I	Unit-I Generalized coordinates. Holonomic and Non-holonomic systems. Scleronomic and Rheonomic systems.	04	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Flip Class
FEBRUARY-	Unit –I	Generalized potential. Lagrange's equations of first kind. Lagrange's equations of second kind. Uniqueness of solution. Energy equation for conservative fields. Hamilton's variables. Hamilton canonical equations. Cyclic coordinates.	03	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Flip Class
MARCH	Unit –II	Poisson's Bracket. Poisson's Identity. Jacobi-Poisson Theorem. Motivating problems of calculus of variations,	04	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Flip Class
APRIL	Unit –II	Shortest distance. Minimum surface of revolution. Brachistochrone problem. Geodesic. Hamilton's Principle. Principle of least action.	04	1. Chalk & talk Method 2. Problem Solving 3. Group Discussion 4. Flip Class

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Teaching Plan

Academic Year: 2023-24

Name of Department: Physics

Name of Teacher: Dr. ABHISHEK KUMAR MISRA Class: NET/JRF/JEST CLASS (TWO PERIOD PER WEEK) COMPETITIVE EXAM PREPARATION CLASS

MONDAY & TUESDAY (2.00 PM TO 3.20PM)

Course Type: Theory Course Code/ Title: PHYSICAL SCIENCE

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
OCTOBER	MATHEMATICAL, CLASSICAL & QUANTUM PHYSICS	CONCEPT & REVISION OF MATHEMATICAL, CLASSICAL & QUANTUM PHYSICS SOLUTION OF PREVIOUS EXAM PAPERS	07	1. Chalk & talk Method 2. Problem Solving 3. MATERIALS REGARDING NET PREPARATION 4. PRACTICE TEST 5. MODEL TEST
NOVEMBER-	THERMODYANAMICS, SOLID STATE PHYSICS, ATOMIC & NUCLEAR PHYSICS	CONCEPT & REVISION OF THERMODYANAMICS, SOLID STATE PHYSICS, ATOMIC & NUCLEAR PHYSICS SOLUTION OF PREVIOUS EXAM PAPERS	06	1. Chalk & talk Method 2. Problem Solving 3. MATERIALS REGARDING NET PREPARATION 4. PRACTICE TEST 5. MODEL TEST
DECEMBER	FIRST PAPER	FIRST PAPER EXPLANATIONS, MODEL TEST, REASONING, MATHEMATICAL REASONING	2	1. Chalk & talk Method 2. Problem Solving 3. MATERIALS REGARDING NET PREPARATION 4. PRACTICE TEST 5. MODEL TEST 6. FINAL PRACTICE TEST

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Session: 2023-24

Name of Teacher : Dr. Kusumanjali Deshmukh **Class : B. Sc. lII**

Course Type : Theory/ Practical **Course Code: BPH 05**

Relativity, Quantum Mechanics, Atomic, Molecular & Nuclear Physics

Month/ Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Jul.	**Unit I** Relativistic Mechanics	Reference systems, inertial frames, Galilean invariance propagation of light, Michelson-Morley experiment, search for ether. Postulates for the special theory of relativity, Lorentz transformations, length contraction, time dilation, velocity addition, variation of mass with velocity, mass-energy equivalence, particle with zero rest mass, Compton effect	10	1. Chalk and talk, method, interaction method 2. Group discussion method
Aug.	**Unit II** Quantum Mechanics	Origin of the quantum theory : Failure of classical physics to explain the phenomena such as black-body spectrum, photoelectric effect, Compton effect, Wave-particle duality, uncertainty principle, de Broglie's hypothesis for matter waves, the concept of Phase and group velocities, experimental demonstration of matter waves. Davisson and Germer's experiment. Consequence of de Broglie's concepts, Bohr's complementary Principle, Bohr's correspondence principle.	11	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Aug	**Unit II** Quantum Mechanics	Bohr's atomic model, energies of a particle in a box, wave packets. Consequence of the uncertainty relation, gamma ray microscope, diffraction at a slit.	10	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Sept	**Unit III** Quantum Mechanics	Quantum Mechanics: Schrodinger equation, Postulates of quantum	06	1. Chalk and talk, method, interaction method

		mechanics, operators, expectation values, transition probabilities, applications to particle in a one and three dimensional boxes, harmonic oscillator in one dimension, reflection at a step potential, transmission across a potential barrier, hydrogen atom, natural occurrence of n, l and m quantum numbers.		2. Seminar presentation 3. Group discussion method
Oct	**Unit IV** Atomic and Molecular Spectroscopy	Spectra of hydrogen, deuteron and alkali atoms, spectral terms, doublet fine structure, screening constants for alkali spectra for s, p, d and f states, selection rules, Discrete set of electronic energies of molecules, quantization of vibrational and rotational energies, determination of internuclear distance, pure rotational and rotation-vibration spectra.	10	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method 4. Flip the class method
Nov	**Unit IV & V** Atomic and Molecular Spectroscopy Nuclear Physics	Dissociation limit for the ground and other electronic states, Stokes and anti-Stokes lines, complimentary character of Raman and infrared spectra, experimental arrangements for Raman spectroscopty. Interaction of charged particles and neutrons with matter, working of nuclear detectors, GM counter, proportional counter and scintillation counter, cloud chamber, spark chamber, emulsions. Lab work on practicals.	11	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Dec	**Unit V** Nuclear Physics	Structure of nuclei, basic properties of nuclei, deuteron binding energy, p-p and n-p scattering and general concepts of nuclear forces, beta decay, range of alpha particles, Geiger-Nuttal law, Gamow's explanation of alpha decay, continuous and discrete spectra, Nuclear reactions. Lab work on practicals.	10	1. Chalk and talk, method, interaction method 2. Seminar presentation 3. Group discussion method
Jan	**Unit V** Nuclear	Shell model & liquid drop model, fission and fusion (concepts), energy	8	1. Chalk and talk, method,

	Physics	production in stars by p-p and carbon cycles (concepts)..2021-22		interaction method 2. Seminar presentation
Feb	**Unit 1-V**	Revision Test and Doubt Clearing Classes	5	Objective Type Very Short Answer Short Answer Type Long Answer Questions

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Teaching Plan

Session : 2023-24

Name of Teacher : Dr. Kusumanjali Deshmukh **Class : M. Sc. 3rd Semester**

Course Type : Theory/+Practical **Course Code/ Title : MPH 302**

Nuclear and Particle Physics

Month /Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Aug.- Sept'23	**Unit I Nuclear Interaction & Nuclear Reaction**	Nucleon-nucleon interaction, Exchange forces, Meson theory of nuclear forces, nucleon-nucleon scattering, Effective range theory, spin dependence of nuclear forces. Direct and compound nuclear reaction mechanism, close reaction in terms of partial wave amplitudes, compound nucleus, Reciprocity theorem, Breit Wigner one level formula.	12	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Sept. – Oct'23	**Unit II Nuclear Models**	Liquid drop model, Bohr-Wheeler theory of fission, Experimental evidence for shell effects, shell model, Spin orbit coupling, Magic numbers, angular momentum and parity of nuclear ground states qualitative discussion and estimates of transition rates. Magnetic moments and Schmidt lines, collective model of Bohr and Mottelson.	10	1. Power point presentation 2. Seminar presentation 3. Online Assignment
Oct.- Nov'23	Unit III **Nuclear Decay**	Shape of β-spectrum, Parity violation, Fermi theory of β-decay, total decay rate, allowed and forbidden transitions in β-decay; Multipole radiative transitions in nuclei (γ-radiation), Angular momentum and parity selections rules in multipole radiation, Internal conversion, Nuclear isomerism, Mossbauer effect.	08	1. Power point presentation 2. Seminar presentation 3. Online Assignment

Nov- Dec'23.	**Elementary Particle Physics**	Types of interactions between elementary particles, Hadrons and Leptons, Symmetry and conservation laws, Strangeness, Hypercharge, CPT invariance; Classification of elementary particles, Basic idea of SU(2) symmetry, SU(3) symmetry and Quark model, Flavours and Colours of Quarks, Gellmann-Nishijima formula, Gell-Mann Okubo Mass Formula, Standard Model.	10	1. Power point presentation 2. Seminar presentation 3. Online Assignment

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Session : 2023-24

Name of Teacher : Dr. Kusumanjali Deshmukh **Class : B. Sc. II Semester**

Course Type: Theory **Course Code/ Title: BPH SC102**

BPH201 ELECTRICITY AND MAGNETISM

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
July 23	**Unit I Vector Analysis**	Review of vector algebra (Scalar and Vector product), gradient, divergence, Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors (statement only).	8	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google class Room 5. Problem Solving 6. Assignment and Quiz
Aug- 23 I-III Week	**Unit II Electrostatics**	Electrostatic Field, electric flux, Gauss's theorem of electrostatics. Applications of Gauss theorem- Electric field due to point charge, infinite line of charge, uniformly charged spherical shell and solid sphere, plane charged sheet, charged conductor. Electric potential as line integral of electric field, potential due to a point charge, electric dipole, uniformly charged spherical shell and solid sphere. Calculation of electric field from potential, Energy per unit volume in electrostatic field. Dielectric medium, Polarisation, Displacement vector. Gauss's theorem in dielectrics. Parallel plate capacitor completely filled with dielectric.	12	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google class Room 5. Problem Solving 6. Assignment and Quiz
Aug '23-Sep'23 II Week	**Unit III Magnetism**	Magnetostatics: Biot-Savart's law & its applications- straight conductor, circular coil, solenoid carrying current. Divergence and curl of magnetic field. Magnetic vector potential. Ampere's circuital law. Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic susceptibility. Brief introduction of dia-, para- and ferro-magnetic materials. .	8	1.Chalk and talk method 2.Demonstration 3. Do it Yourself 4. Assignments/ Quizz

Sep'23 I – Week	**Unit IV Diffraction**	Diffraction, Types of Diffraction, Fresnel's diffraction, half-period zones, phasor diagram and integral calculus methods, the intensity distribution, Zone plates, diffraction due to straight edge, Experiment Demonstration	8	1.Chalk and talk method 2.Demonstration 3. Do it Yourself 4. Assignments/ Quizz
Oct' 23	**Unit IV Elecromagnetic Induction**	Faraday's laws of electromagnetic induction, Lenz's law, self and mutual inductance, L of single coil, M of two coils. Energy stored in magneticfield	8	1 Chalk and talk method 2.Demonstration 3. Do it Yourself 4. Assignments/ Quizz
Oct-Nov'23	**Unit V Maxwell`s equations and Electromagnetic wave propagation:**	Equation of continuity of current, Displacement current, Maxwell's equations, Poynting vector, energy density electromagnetic field, electromagnetic wave propagation through vacuum and isotropic dielectric medium, transverse nature of EM waves, polarization.	9	1 Chalk and talk method 2.Demonstration 3. Do it Yourself 4. Assignments/ Quizz
Nov-Dec'23	**Unit I-V**	Revision and Doubt Clearing Sessions	5	Objective Type Very Short Answer Short Answer Type Long Answer Questions

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DEPARTMENT OF PHYSICS

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Session : 2023-24

Name of Teacher : Dr. Kusumanjali Deshmukh **Class : B. Sc. lV Semester**

Course Type: Theory **Course Code/ Title: BPH SC202**

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
Jan '24	**Unit I Superposition of Two Collinear Harmonic oscillations**	Linearity and Superposition Principle. (1) Oscillations having equal frequencies and (2) Oscillations having different frequencies (Beats). Superposition of Two Perpendicular Harmonic Oscillations: Graphical and Analytical Methods. Lissajous Figures with equal an unequal frequency and their uses.	6	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google class Room 5. Problem Solving 6. Assignment and Quiz
Jan-Feb'24	**Unit II Waves Motion-General**	Transverse waves on a string. Travelling and standing waves on a string and fluid. Normal Modes of wave propogation, Group velocity, Phase velocity. Plane waves. Spherical waves, Wave intensity.	7	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google class Room 5. Problem Solving 6. Assignment and Quiz
Feb-March'24	**Unit III Sound**	Simple harmonic motion - forced vibrations and resonance - Fourier's Theorem Application to saw tooth wave and square wave - Intensity and loudness of sound - Decibels - Intensity levels - musical notes - musical scale. Acoustics of buildings: Reverberation and time of reverberation - Absorption coefficient - Sabine's formula - measurement of reverberation time - Acoustic aspects of halls and auditoria. . .	8	1.Chalk and talk method 2.Demonstration 3. Do it Yourself 4. Assignments/ Quizz
March-April'24	**Unit IV Interference**	Interference: Division of amplitude and division of wavefront. Young's Double Slit experiment. Lloyd's Mirror and	12	1.Chalk and talk method 2.Demonstration

		Fresnel's Biprism. Phase change on reflection: Stokes' treatment. Interference in Thin Films: parallel and wedge-shaped films. Fringes of equal inclination (Haidinger Fringes); Fringes of equal thickness (Fizeau Fringes). Newton's Rings: measurement of wavelength and refractive index. **Michelson's Interferometer:** Idea of form of fringes (no theory needed), Determination of wavelength, Wavelength difference, Refractive index and Visibility of fringes**.**		3. Do it Yourself 4. Assignments/ Quizz
April-May'24	**Unit V Diffraction and Polarization**	Fraunhofer diffraction: Single slit; N slits & Diffraction grating, Fresnel's Diffraction (only Introduction) Zone plate **Resolving Power:** Rayleigh's Criterion, RP of Grating **Polarization:** Transverse nature of light waves. Plane polarized light – production and analysis. Circular and elliptical polarization.	12	1 Chalk and talk method 2.Demonstration 3. Do it Yourself 4. Assignments/ Quizz
May'24	**Unit I-V**	Revision and Doubt Clearing Sessions	5	Objective Type Very Short Answer Short Answer Type Long Answer Questions

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Semester I**

Course Type: Theory

Course Code/Title: BEL 101: Network Analysis And Analog Electronics

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	Unit I	Basic Circuit Concepts: Voltage and Current Sources, Review of Resistors, Inductors, Capacitors. Circuit Analysis: Kirchhoff's Current Law (KCL), Kirchhoff's Voltage Law (KVL), AC Circuit Analysis: Sinusoidal Voltage and Current, Definition of Instantaneous, Peak,Peak to Peak, Root Mean Square and Average Values. AC applied to Series RC and RL circuits: Impedance of series RC & RL circuits.AC applied to Series and parallel RLC circuit, Series and Parallel Resonance, condition for Resonance, Resonant Frequency, Bandwidth, and significance of Quality Factor (Q). **Passive Filters:** Low Pass, High Pass. **Network Theorems**: Principal of Duality, Superposition Theorem, Thevenin's Theorem,Norton's Theorem, Reciprocity Theorem, Millman's Theorem, Maximum Power Transfer Theorem.	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II & Unit III	**Junction Diode and its applications**: PN junction diode (Ideal and practical)-constructions, Formation of Depletion Layer, Diode Equation and I-V characteristics. Idea of static and dynamic resistance, dc load line analysis, Quiescent (Q) point. Zener diode, Reverse saturation current, Zener and avalanche breakdown. Rectifiers- Half wave rectifier, Full wave rectifiers (center tapped and bridge), circuit diagrams, working and waveforms, ripple factor and efficiency. Filter-Shunt capacitor filter, its role in power supply, output waveform, and working. Regulation- Line and load regulation, Zener diode as voltage regulator, and explanation for load and line regulation. **Bipolar Junction Transistor**: CE, CB	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

		Characteristics and regions of operation, DC load line, operating point. **Field Effect Transistors:** JFET: Construction, Working and Characteristics. MOSFET: Construction, Working and Characteristics.		
October	Unit III & Unit IV	**Power Devices:** UJT, Construction, Working and Characteristics. SCR, Diac, Triac, Construction, Working and Characteristics and Applications. **Amplifiers**: Transistor biasing and Stabilization circuits- Fixed Bias and Voltage Divider Bias. Thermal runaway, stability and stability factor S. Transistor as a two port network, h-parameter equivalent circuit. Small signal analysis of single stage CE amplifier. Input and Output impedance, Current and Voltage gains. Class A, B and C Amplifiers.	09	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
November	Unit IV & Unit V	**Cascaded Amplifiers**: Two stage RC Coupled Amplifier and its Frequency Response. **Feedback in Amplifiers**: Concept of feedback, negative and positive feedback, advantages of negative feedback (Qualitative only). **Sinusoidal Oscillators**: Barkhausen criterion for sustained oscillations. Phase shift,Weins bridge, Crystal and Colpitt's oscillator. Determination of Frequency and Condition of oscillation.	07	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Semester I**

Course Type: Theory

Course Code/Title: BELSE101: Cyber Security

Month	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	**Introduction of Cyber security**: Importance of Cyber security, Cyber security Fundamentals **Cyber Attacks**: Various types of Cyber attacks	3	1. Chalk and talk method 2.Group discussion method 3.Home Assignment
September	**Seven Layers of Cyber Security**: Brief introduction of each layer **Cyber-Attacker Actions:** Active Attacks and Passive Attacks **Need of Security policies.** **Cyber Space**: Regulations, NIST Compliance	5	1. Chalk and talk method 2.Group discussion method 3.Home Assignment
October	**Indian Cyber Space**: National cyber security policy **Cyber Forensic**: Digital forensics, the need for computer forensics, cyber forensics and digital evidence	4	1. Chalk and talk method 2.Group discussion method 3.Home Assignment
November	**Cryptography**: Information Security, Introduction to Cryptography **Image Steganograpy**: Introduction, Difference between Cryptography, Steganography and Watermarking.	3	1. Chalk and talk method 2. Home Assignment

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Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Semester III**

Course Type: Theory

Course Code/Title: BEL 301: Microprocessor And Interfacing

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	Unit I & Unit II	Introductions To Microprocessor, Hardware Concepts: Block diagram of Microprocessor System, Input, Output devices, Memory (Idea of RAM and ROM), Mapping techniques, Classification of microprocessors (mention of different microprocessors being used). Software Concepts: Data, Instruction, Program Concepts, Assemblers, Interpreter, and Compilers. Microprocessor 8085: Features, Architecture, General purpose registers, register pairs, flags, stack pointer, program counter, types of buses. Multiplexed address and data bus, generation of control signals, pin description of microprocessor 8085.	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II & Unit III	Timing Cycle: T-States, Machine Cycle: - Read cycle, Write cycle. Timing Diagram of MOV and MVI. 8085 Instructions: Operation Code, Operand & Mnemonics. Instruction Set of 8085, Instruction Classification, Addressing Modes, Instruction Format. Data Transfer Instructions, Arithmetic Instructions, Increment & Decrement Instructions, Logical Instructions, Branch Instructions.	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
October	Unit III	Assembly Language Programming Examples.	09	1. Chalk and

	& Unit IV	Stack, Subroutines & Interrupts.Stack & Subroutines: Concept of Stack & Subroutines, Call & Return Instructions. Software Delays. Interrupts: Types Of Interrupts - Hardware & Software Interrupts; Maskable & Non Maskable Interrupts, Vectored & Non Vectored Interrupts.		talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
November	Unit V	**Interfacing:** Memory Interfacing, PPI 8255: Features of 8255, Pin configuration of 8255, Functional block diagram of 8255; PIC 8259: Features of 8259, Pin configuration of 8259, Functional block diagram of 8259; 8279 (Keyboard & Display Controller): Pin Description & block diagram of 8279; Programmable DMA controller 8257: Pin Description & block diagram of 8257.	07	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Part III**

Course Type: Theory

Course Code/Title: Industrial Electronics

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	Unit I	**Thyristors:** Principles and operations of SCR, Voltage amplifier gate characteristics of SCR, Characteristics of two transistor models, Thyristor construction, Rectifier circuit using SCR, GTO, Operation and characteristics of DIAC, TRIAC, Silicon Controlled Switch, Silicon Unilateral Switch, Silicon Bilateral Switch, and Light activated SCR. Turn ON/OFF Mechanism: Basics of turn on and turn off methods.	10	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II	**Applications of SCR**: Multiple connections of SCR, Series operation, Triggering of series connected SCR, Parallel operation, Triggering of parallel connected SCR, SCR di/dt calculation, Snubber circuit, dv/dt calculation across SCR, Types of converters, Full wave controlled rectifier with resistive load, FWCR with inductive load, FWCR with freewheeling diode.	11	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
October	Unit III	**Inverters:** Types of inverters, Single phase bridge inverter, Mc Murray impulse communication inverter, Single phase half bridge voltage source inverter, Single phase full bridge voltage inverter, Step down choppers, Step up choppers, Chopper classification. **Other Applications:** Induction heating, Resistance welding, Over voltage protection, Zero voltage switch, SMPS,UPS, DC circuit breaker, Battery charger, AC static switch, DC static switch, Time delay, Fan regulator using TRIAC .	11	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
November	Unit IV	**PCB Fundamentals:** PCB Advantages,	08	1. Chalk

		components of PCB, Electronic components, IC's, Surface Mount Devices (SMD). Classification of PCB - single, double, multilayer and flexible boards, Manufacturing of PCB, PCB standards.		and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
December	Unit IV	**Schematic & Layout Design:** Schematic diagram, General, Mechanical and Electrical design considerations, Placing and Mounting of c omponents, Conductor spacing,routing guidelines, heat sinks and package density, Net list, creating components for library, Tracks, Pads, Vias, power plane, grounding, Lead cutting and Soldering Techniques, Testing and quality controls. PCB Technology Trends, Environmental concerns in PCB industry.	08	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
January	Unit V	**Analog/Digital Multimeter:** Analog multimeter, AC and DC measurment, conversion of analog output to digital form (A/D), Dual ramp A/D converter, digital measuring system, multimeter block diagram, voltage, current and resistance measurments. Frequency counter: Elements of electronic counter, decade counting assembly temperature compensated crystal oscillator, universal counter, measurement modes; frequency measurement, period measurement, time interval measurement, measurement errors: gating errors, time base error, trigger level error.	12	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Internal Test
February	Lab	Practical Exam		

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Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Part III**
Course Type: Theory

Course Code/Title: Advanced Microprocessors & Interfacing

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
August	Unit I	**Architecture of 8086**: Differences Between 8085 and 8086, Overview of 8086 Microprocessor Family, Architecture and Pin Configuration of 8086, System Bus Structure: Basic 8086/8088 system bus architecture, Minimum Mode Configuration, Maximum Mode configuration; System Bus Timings, Bus Standards. 8087 Numeric Data Processor& 8089 I/O Processor: Architecture only (no Programming).	10	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II	**Instruction Set and Assembly Language Programming of 8086:** Instruction Format; Addressing modes, Data Transfer Instruction, Arithmetic Instructions, Branching and Looping Instructions, NOP and Halt, Flag Manipulation Instructions, Logical, Shift and Rotate Instruction. Byte and String Manipulation: String Instructions; REP Prefix, Table Translation, Number Format conversions. Assembler Directives and Operators, Translation of Assembler Instructions. Programming of Microprocessor 8086, Interrupts of	11	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

		Microprocessor 8086.		
October	Unit III	**Interfacing – I (With 8086 only):** Memory interfacing, Interrupt Priority Management System based on 8259A, Interfacing of 8254 (Programmable Interval Timer), Interfacing of 8257and 8251 with 8086.	11	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
November	Unit III	**Interfacing – II (with 8086 only):** Architecture and Interfacing of 8-bit ADC (0808/0809) and DAC (0800) with 8086 using PPI 8255. Interfacing of Stepper motor, 8279 (Keyboard & Display Driver) and LCD interface with 8086.	08	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
December	Unit V	Architecture of 32 Bit Microprocessors: Intel 80386Architecture, Special 80386 Registers, Memory Management, Interrupts and Exceptions, Management of T asks–Real, Protected and Virtual 8086 mode, Architectural Differences Between 80486 and 80386 Microprocessor.	08	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
January	Unit I,II,III,IV & V	Revision	12	1. Chalk and talk method 2.Internal Test
February	Lab	Practical Exam		

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Semester II**
Course Type: Theory

Course Code/Title: BEL 201: Linear and Digital Integrated Circuits

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
February	Unit I	**Operational Amplifiers (Black box approach):** Characteristics of an Ideal and Practical Operational Amplifier (IC 741), Open and closed loop configuration. CMRR. Slew Rate and concept of Virtual Ground. **Applications of Op-Amps:** (1) Inverting and non-inverting amplifiers, (2) Summing and Difference Amplifier, (3) Differentiator, (4) Integrator, (5) Comparator and (6) Active low pass and high pass.	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
March	Unit II & Unit III	**Number System and Codes**: Decimal, Binary, Octal and Hexadecimal number systems base conversions. Representation of signed and unsigned numbers, BCD code. Binary, octal and hexadecimal arithmetic; addition, subtraction by 2's complement method, multiplication. **Logic Gates and Boolean algebra**: Truth Tables of OR, AND, NOT, NOR, NAND, XOR, XNOR, Universal Gates, Basic postulates and fundamental theorems of Boolean algebra. **Combinational Logic Analysis and Design**: Standard representation of logic functions (SOP and POS), Minimization Techniques (Karnaugh map minimization up to 4 variables for SOP). **Arithmetic Circuits**: Binary Addition, Half and Full Adder, Half and Full Subtractor.	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

April	Unit III & Unit IV	**Data processing circuits**: Multiplexers, De-multiplexers, Decoders, Encoders. **Sequential Circuits**: SR, D, T and JK Flip-Flops. Clocked (Level and Edge Triggered) Flip-Flops. Preset and Clear operations. Race-around conditions in JK Flip-Flop. Master-slave JK Flip-Flop. **Shift registers**: Serial-in-Serial-out, Serial-in-Parallel-out, Parallel-in-Serial-out and Parallel-in-Parallel-out Shift Registers (only up to 4 bits).	09	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
May	Unit V	**Counters (4 bits):** Asynchronous counters: Ring Counter, Decade Counter, Synchronous Counter: Decade counter. **D-A Conversion:** 4 bit binary weighted and R-2R Ladder converters. **A-D Conversion:**:- successive approximation converters, Counter Type Converter.	07	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

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Academic Year: 2023-24

Name of Department: PHYSICS (ELECTRONICS)

Name of Teacher: Bhupendra Das **Class: B. Sc. Semester IV**
Course Type: Theory

Course Code/Title: BEL 401: Communication Electronics

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
February	Unit I	**Amplitude Modulation:** Need of Modulation, Amplitude Modulation, Modulation Index and Frequency Spectrum. Generation of AM, Amplitude Demodulation (Diode Detector), Concept Of Double Side Band Suppressed Carrier, Single Side Band Suppressed Carrier, Vestigial Side Band Modulation. Block Diagram of AM Transmitter and Receiver.	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
March	Unit II & Unit III	**Angle Modulation:** Frequency and Phase Modulation, Modulation Index and Frequency Spectrum, Equivalence Between FM and PM, Generation of FM (Direct And Indirect Methods), FM Detector. Block Diagram of FM Transmitter and Receiver, Comparison Between AM, FM and PM. **Pulse Analog Modulation:** Sampling Theorem & Nyquist Rate, Pulse Amplitude Modulation (PAM), Pulse Width Modulation (PWM) and Pulse Position Modulation (PPM).	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
April	Unit III & Unit IV	Generation and Detection of PAM, PWM, PPM Signals. Multiplexing: Time Division Multiplexing (TDM) & Frequency Division Multiplexing (FDM). **Digital Pulse Modulation:** Need for digital transmission, Pulse Code Modulation. Digital Carrier Modulation Techniques,	09	1. Chalk and talk method 2.Group discussion method 3.Home Assignment

		Sampling. Quantization and Encoding. Concept of Amplitude Shift Keying (ASK), Frequency Shift Keying (FSK). Phase Shift Keying (PSK) and Binary Phase Shift Keying (BPSK). Differential Pulse Code Modulation, Delta Modulation, Adaptive Delta Modulation.		4. Unit Test
May	Unit V	**Optical Communication:** Introduction of Optical Fibre, Block Diagram of optical communication system. **Satellite communication:** Introduction, need, Geo-synchronous satellite orbits. Geostationary satellite, Advantages of geostationary satellites, Block Diagram of Earth Stations, Uplink and Downlink.	07	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. Mamta Parganiha Class: B. Sc. Semester I

Course Type: Theory

Course Code/Title: BPH101 Mechanics

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	Unit I	Vectors: Vector algebra. Scalar and vector products. Derivatives of a vector with respect to a parameter. Ordinary Differential Equations: 1 st order homogeneous differential equations. 2 nd order homogeneous differential equations with constant coefficients.	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II& Unit III	Laws of Motion: Frames of reference. Newton's Laws of motion. Dynamics of a system of particles. Centre of Mass. Momentum and Energy: Conservation of momentum. Work and energy Conservation of energy. Motion of rockets Rotational Motion: Angular velocity and angular momentum. Torque. Conservation of angular momentum. Gravitation: Newton's Law of Gravitation.	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
October	Unit III	Motion of a particle in a central force field (motion is in a plane, angular momentum is conserved, areal velocity is constant). Kepler's Laws (statement only). Satellite in circular orbit and applications. Geosynchronous orbits. Weightlessness. Basic idea of global positioning system (GPS).	10	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
November	Unit IV & Unit V	Special Theory of Relativity: Reference systems, inertial frames, Galilean invariance propagation of light, Michelson-Morley experiment, search for ether. Postulates for the	08	1. Chalk and talk method

		special theory of relativity, Lorentz transformations, length contraction, time dilation, velocity addition, variation of mass with velocity, mass-energy equivalence, particle with zero rest mass. Elasticity: Hooke's law - Stress-strain diagram - Elastic moduli-Relation between elastic constants - Poisson's Ratio-Expression for Poisson's ratio in terms of elastic constants - Work done in stretching and work done in twisting a wire - Twisting couple on a cylinder - Determination of Rigidity modulus by static torsion - Torsional pendulum-Determination of modulus of Rigidity- y, η by Searles methodσand		2.Group discussion method 3.Home Assignment 4. Unit Test

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

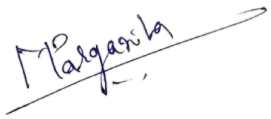
Name of Teacher: Dr. Mamta Parganiha Class: B. Sc. Semester III

Course Type: Theory

Course Code/Title: BPH101 Mechanics

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	Unit I	Thermodynamic Description of system: Zeroth Law of thermodynamics and temperature. First law and internal energy, conversion of heat into work, Various Thermodynamical Processes, Applications of First Law: Work Done during Isothermal and Adiabatic Processes, Compressibility & Expansion Coefficient, Reversible & irreversible processes, Second law & Entropy, Carnot‟s cycle & theorem, Entropy changes in reversible & irreversible processes, Entropy-temperature diagrams, Third law of thermodynamics, Unattainability of absolute zero.	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II& Unit III	Thermodynamic Potentials: Enthalpy, Gibbs, Helmholtz and Internal Energy functions, Maxwell‟s relations & applications - Joule-Thompson Effect, Clausius- Clapeyron Equation, General Relation Between CP & CV, Expression for (CP – CV), CP/CV, TdS equations. Kinetic Theory of Gases: Derivation of Maxwell‟s law of distribution of velocities and its experimental verification, Mean free path, Transport Phenomena: Viscosity, Conduction and Diffusion (for vertical case), Law of equi-partition of energy and its applications to specific heat of gases; mono-atomic and diatomicgases.	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
October	Unit IV	Theory of Radiation: Blackbody radiation, Spectral distribution, Concept of Energy Density, Derivation of Planck's law, Deduction of Wien‟s distribution law, Rayleigh- Jeans Law, Stefan Boltzmann Law and Wien‟s displacement law from Planck‟s law.	10	1. Chalk and talk method 2.Group discussion method 3.Home

				Assignment 4. Unit Test
November	Unit V	Statistical Mechanics: Concept of Phase space, Macrostate and Microstate, Statistical Entropy and Thermodynamic probability, Partition Function, Maxwell-Boltzmann Statistics - distribution of velocity - Quantum statistics - Fermi-Dirac distribution law - electron gas - Bose-Einstein distribution law - photon gas- comparison of three statistics.	08	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test







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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. Mamta Parganiha Class: B. Sc. Semester III

Course Type: Theory

Course Code/Title: BPHSE101 BASIC INSTRUMENTATION SKILLS

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
August	Unit I	Basic of Measurement: Instruments accuracy, precision, sensitivity, resolution range etc. Errors in measurements and loading effects. Multimeter: Principles of measurement of dc voltage and dc current, ac voltage, ac current and resistance. Specifications of a multimeter and their significance.	03	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
September	Unit II& Unit III	Electronic Voltmeter: Advantage over conventional multimeter for voltage measurement with respect to input impedance and sensitivity. Principles of voltage, measurement (block diagram only). Specifications of an electronic Voltmeter/ Multimeter and their significance. AC millivoltmeter: Type of AC millivoltmeters: Amplifier- rectifier, and rectifier- amplifier. Block diagram ac millivoltmeter, specifications and their significance.	06	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
October	Unit IV	Cathode Ray Oscilloscope: Block diagram of basic CRO. Construction of CRT, Electron gun, electrostatic focusing and acceleration (Explanation only– no mathematical treatment), brief discussion on screen phosphor, visual persistence & chemical composition. Time base operation, synchronization. Front panel controls. Specifications of a CRO and their significance. Use of CRO for the measurement of voltage (dc and ac frequency, time period. Special features of dual trace, introduction to digital oscilloscope, probes. Digital storage Oscilloscope: Block diagram and principle of working.	02	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

November	Unit V	Signal Generators and Analysis Instruments: Block diagram, explanation and specifications of low frequency signal generators. pulse generator, and function generator. Brief idea for testing, specifications. Distortion factor meter, wave analysis. Digital Instruments: Principle and working of digital meters. Comparison of analog & digital instruments. Characteristics of a digital meter. Working principles of digital voltmeter.	05	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. Mamta Parganiha Class: B. Sc. Semester II
Course Type: Theory

Course Code/Title: BEL 201: BPH201 ELECTRICITY AND MAGNETISM

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
February	Unit I	Vector Analysis: Review of vector algebra (Scalar and Vector product), gradient, divergence, Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Gauss-divergence theorem and Stoke's theorem of vectors (statement only).	14	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
March	Unit II	Electrostatics: Electrostatic Field, electric flux, Gauss's theorem of electrostatics. Applications of Gauss theorem- Electric field due to point charge, infinite line of charge,uniformly charged spherical shell and solid sphere, plane charged sheet, chargedconductor. Electric potential as line integral of electric field, potential due to a point charge, electric dipole, uniformly charged spherical shell and solid sphere. Calculation of electric field from potential, Energy per unit volume in electrostatic field. Dielectric medium, Polarisation, Displacement vector. Gauss's theorem in dielectrics. Parallel plate capacitor completely filled with dielectric.	15	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
April	Unit III	Magnetism: Magnetostatics: Biot-Savart's law & its applications- straight conductor, circular coil, solenoid carrying current. Divergence and curl of magnetic field. Magnetic vector potential.	09	1. Chalk and talk method 2.Group discussion method

		Ampere's circuital law. Magnetic properties of materials: Magnetic intensity, magnetic induction, permeability, magnetic susceptibility. Brief introduction of dia-, para- and ferro-magnetic materials		3.Home Assignment 4. Unit Test
May	Unit IV & Unit V	Electromagnetic Induction: Faraday's laws of electromagnetic induction, Lenz's law, self and mutual inductance, L of single coil, M of two coils. Energy stored in magneticfield. Maxwell`s equations and Electromagnetic wave propagation: Equation of continuity of current, Displacement current, Maxwell's equations, Poynting vector, energy density electromagnetic field, electromagnetic wave propagation through vacuum and isotropic dielectric medium, transverse nature of EM waves, polarization.	07	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test

Signature of Teacher **Signature of Head** **Signature of Principal**

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Teaching Plan

Academic Year: 2023-24

Name of Department: PHYSICS

Name of Teacher: Dr. Mamta Parganiha Class: B. Sc. Semester II

Course Type: Theory

Course Code/Title: BPHSE101 BASIC INSTRUMENTATION SKILLS

Month	Unit/ Title	Topic of Lecture	No. of lectures	Methods/ Mode of Delivery
February	Unit I	Basic of Measurement: Instruments accuracy, precision, sensitivity, resolution range etc. Errors in measurements and loading effects. Multimeter: Principles of measurement of dc voltage and dc current, ac voltage, ac current and resistance. Specifications of a multimeter and their significance.	03	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
March	Unit II& Unit III	Electronic Voltmeter: Advantage over conventional multimeter for voltage measurement with respect to input impedance and sensitivity. Principles of voltage, measurement (block diagram only). Specifications of an electronic Voltmeter/ Multimeter and their significance. AC millivoltmeter: Type of AC millivoltmeters: Amplifier- rectifier, and rectifier- amplifier. Block diagram ac millivoltmeter, specifications and their significance.	06	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
April	Unit IV	Cathode Ray Oscilloscope: Block diagram of basic CRO. Construction of CRT, Electron gun, electrostatic focusing and acceleration (Explanation only– no mathematical treatment), brief discussion on screen phosphor, visual persistence & chemical composition. Time base operation, synchronization. Front panel controls. Specifications of a CRO and their significance. Use of CRO for the measurement of voltage (dc and ac frequency, time period. Special features of dual trace, introduction to digital oscilloscope, probes. Digital storage Oscilloscope: Block diagram and principle of working.	02	1. Chalk and talk method 2.Group discussion method 3.Home Assignment 4. Unit Test
May	Unit V	Signal Generators and Analysis Instruments: Block diagram, explanation and specifications of low frequency signal generators. pulse	05	1. Chalk and talk method

		generator, and function generator. Brief idea for testing, specifications. Distortion factor meter, wave analysis. Digital Instruments: Principle and working of digital meters. Comparison of analog & digital instruments. Characteristics of a digital meter. Working principles of digital voltmeter.		2.Group discussion method 3.Home Assignment 4. Unit Test



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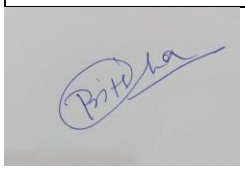
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A CODEMIC CALENDAR (2023-24)

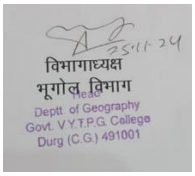
Month	**Prepased date**	**Currieululactivites**	**Co- currleulalactivites**
June	16/06/2023	Admission process	
July	1/07/2023	UG/PG class begin	
August	8/08/2023	UG unit test PG unit test	
September	5/09/2023	Teacher days Program online	
October	9/10/2023 12 /10/2023 19 /10/2023 22 /10/2023	UG unit test. PG unit test UG unit test	
November	2/11/2023 10 /11/2023 12 /11/2023 13 /11/2023 26 /11/2023 27-11-2023	meeting half yearly exam UG diwali vocation PPT prajaction PG online	
Dec.	01/12/2023 04 /12/2023 14 /12/2023 26 /12/2023	Unit test UG PG Semester Exam UG Semester Exam UG assignment Wientervaction	

JAN	02/01/2024 04/01/2024 25/01/2024 26/01/2024	PG assignment PG PPTProjection model test PG class begin	
FEB.	01/02/2024 28/02/2024	PG class begin surveying valauaddatcours	
MAR.	05/03/2024 06/03/2024 15 /03/2024 16 /03/2024	UG annual exam assignment UG annual exam PG unit test PG unit test	
APR.	14/04/2024	Board of study	
MAY	01/05/2024	PG semester	



CRITERIA INCHARGE

DR. PREETIBALA CHANDRAKAR



HOD GEOGRAPHY

DR. ANIL MISHRA



PRINCIPAL

Teaching Plan
Academic Year : 2023-24

Name of Department: **Anthropology** Class : **B.A. /B.Sc. – Sem I**
Name of Teacher : **Dr. Sandhya Agrawal & Dr. Gulshan Pratap** Course Type : Theory / Practical
Course Code / Title : ANTH-01T & Lab course I INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

Month / Week	Unit / Title	Topic of Lecture	No. of lectures	Methods / Mode of Delivery
July	Unit I	History, Meaning, Aims, Scope of Physical Anthropology and its application. Organic Evolution : Meaning and evidences of organic evolution . Theories of Organic Evolution : Lamarckism, Neo-Lamarckism, Darwinism, Neo-Darwinism and Synthetic theory.	13	Black board method Group discussion, Class test , Lab Demonstration etc.
August	Unit II	Man's Place in Animal Kingdom . Classification and characteristics of Living Primates(Prosimi and Anthropoidea) Comparative anatomy and behaviour of human and non human primates	12	Black board method Group discussion, Class test , lab Demonstration etc.
September	Unit III	Miocene Hominoids : Ramapithecus . Pleistocene Hominoids : Australopithecus, Homo erectus (Pithecanthropus & Sinanthropus), Neanderthal, Homo Sapiens (Cromagnon , Grimaldi and Chancelade)	12	Black board method Group discussion, Class test , Lab Demonstration etc.
October	Unit IV	Concept of Race : Meaning and Definition. Race formation . Criteria of racial classification(Anthroscopic and genetical traits). UNESCO statement. Racisim. Major Races of the world and their distribution (Caucasoid ,Negroid and Mongoloid). Racial Classification of Indian Population : Rishley and B.S. Guha	11	Black board method Group discussion, Class test , Lab Demonstration etc.
November	Unit V	Mendelism. Chromosome: Types and Morphology ofHuman Chromosome . Structure of DNA RNA . Types of Inheritance: Autosomal (Dominant and recessive), Sex Linked (Dominant and recessive)	11	Black board method Group discussion, Class test , Lab Demonstration etc.
December	Practical	Craniology, Craniometry, Norma's, Index	12	Black board method Group discussion, Class test , Lab Demonstration etc.

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Teaching Plan

Academic Year : 2023-24

Name of Department: **Anthropology** Class : **B.Sc. – II**

Name of Teacher : **Dr. Sandhya Agrawal & Dr. Gulshan Pratap** Course Type : Theory / Practical

Course Code / Title : **ANTH-02T** **Introduction to Socio-Cultural Anthropology**
Lab Course II

Month / Week	Unit / Title	Topic of Lecture	No. of lectures	Methods / Mode of Delivery
February	Unit I	Geographical distribution of Indian tribe. Racial and linguistic classification of tribe of India sacred complex dominant caste.	13	Black board method Group discussion, Class test , lab Demonstration etc.
March	Unit II	Tribal Economy different stages, shitting cultivation problems of tribal people with related to land, forest	12	Black board method Group discussion, Class test , lab Demonstration etc.
April	Unit III	Problem of culture contact due to urbanization and industrialization. Practical - Osteology	12	Black board method Group discussion, Class test , lab Demonstration etc.
May	Unit IV	Tribal religion, and magic totem etc. Political and social organization of Indian tribe	11	Black board method Group discussion, Class test , lab Demonstration etc.
June	Unit V	Family, lineage and clan Youth dormitory. Tribal development constitutional safeguard for scheduled tribes	10	Black board method Group discussion, Class test , lab Demonstration etc.

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Teaching Plan

Academic Year : 2023-24

Name of Department: **Anthropology** Class : **B.Sc. –Sem III**

Name of Teacher : **Dr. Sandhya Agrawal & Dr. Gulshan Pratap** Course Type : Theory / Practical

Course Code / Title : **ANTH-03T** **Archaeological Anthropology**

Lab Course III

Month / Week	Unit / Title	Topic of Lecture	No. of lectures	Methods / Mode of Delivery
August	Unit I	Definition and scope of Archaeological Anthropology. Relation of archaeology with Life science, Physical Science and humanities. Types of Archaeology: Classical Archaeology, Prehistoric Archaeology, Historic Archaeology Ethno-Archaeology Development of Indian Archaeology	13	Black board method Group discussion, Class test , lab Demonstration etc.
September	Unit II	Geo-Chronological Methods of Archaeology Study: Geological Time Scale, glacial Period, Pluvial period and their evidences Absolute & Relative dating method	12	Black board method Group discussion, Class test , lab Demonstration etc.
October	Unit III	Techniques of manufacturing stone tools. Type of stone tools: Core tools, Flake tools, Blade tools, Microliths & Grinding Polishing tools & their uses. Classification of human culture based on Stone Age and metal Age.	12	Black board method Group discussion, Class test , lab Demonstration etc.
November	Unit IV	Distribution of Paleolithic culture in Europe-Characters, distribution and interpretation of habitat Lower Paleolithic culture, Middle Paleolithic culture, Upper Paleolithic culture &Mesolithic Culture Paleolithic Art in Europe – Characters, distribution, interpretation and chronology	11	Black board method Group discussion, Class test , lab Demonstration etc.
December	Unit V	Stone Age culture in India – Characters, distribution and interpretation of habitat and economy of Lower Paleolithic Culture, Middle Paleolithic Culture, Upper Paleolithic Culture & Neolithic Culture. Metal age culture in India – Characters, distribution and interpretation of habitat and economy of Chalcolithic culture, Bronze age civilization &, Iron age culture. Archaeological sites in Chhattisgarh – Sirpur, Deepadih&Karkabhatha.	13	Black board method Group discussion, Class test , lab Demonstration etc.

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Teaching Plan

Academic Year : 2023-24

Name of Department: **Anthropology** Class : **B.Sc. – SemIV**

Name of Teacher : **Dr. Sandhya Agrawal & Dr. Gulshan Pratap** Course Type : Theory / Practical

Course Code / Title : **ANTH-04T Tribal culture of India**

Lab Course IV

Month / Week	Unit / Title	Topic of Lecture	No. of lectures	Methods / Mode of Delivery
February	Unit I	Define tribe and scheduled tribe Distribution and classification of Indian tribes: Geographical, racial, linguistic Contribution of Anthropology in the study of Indian tribes. Sacred complex, Universalisation and parochialisation,Sanskritisation, Westernization and Dominant caste.	13	Black board method Group discussion, Class test , lab Demonstration etc.
March	Unit II	Tribes of Chhattisgarh and their problems. PVTGs - 1. Kamar 2. Birhor 3. Hill Korwa 4. Abujhmaria 5.Baiga. Denotified&Nomadic Tribes	12	Black board method Group discussion, Class test , lab Demonstration etc.
April	Unit III	Social organization's of Indian tribes: Family, marriage, Lineage and clan. Youth dormitory: Type, organization and functions. Political organization of Indian tribes: Distinction between state and stateless society. Law and justicein primitive society. Tribal religion: Origin,function, animistic & totemistic. Concept and practices: Magic, witchcraft, shamanism &head hunting.	12	Black board method Group discussion, Class test , lab Demonstration etc.
May	Unit IV	Stages of tribal economy: Hunting, food gathering, fishing, shifting and settled agriculture. Concept of property and ownership in tribal societies. New Economics Anthropology: Exchange-Gift, Barter, Trade, Ceremonial exchange and market economy.	11	Black board method Group discussion, Class test , lab Demonstration etc.
June	Unit V	Tribal Problems: Culture contact, urbanization, industrialization, land alienation, bonded labour, indebtedness, shifting,cultivation,irrigation, Unemployment,Agricultural labour. Tribal development: History of tribal development. Constitutional safeguards for the scheduled tribes. Policies, plan and programmes of tribal development and their implementation. Tribal revolts in India. The role of anthropology in tribal development.	10	Black board method Group discussion, Class test , lab Demonstration etc.

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Teaching Plan

Academic Year : 2023-24

Name of Department: **Anthropology** Class : **B.Sc. – III YEAR**

Name of Teacher : **Dr. Sandhya Agrawal** Course Type : Theory / Practical

Course Code : **BAN-05** Title :**Fundamentals of Human Genetics and Human Growth**

Lab 3

Month / Week	Unit / Title	Topic of Lecture	No. of lectures	Methods / Mode of Delivery
July	Unit I	Human Genetics-Aims, scope, branches, Cell division, Chromosome & Genes , D.N.A. & R.N.A.	14	Black board method Group discussion, Class test , Lab Demonstration etc.
August	Unit II	Concept of Race, Criteria for racial classification, Racial elements in India, major racial groups	13	Black board method Group discussion, Class test , Lab Demonstration etc.
September	Unit III	Types of Twins and their importance in genetic investigation. Inheritance of ABO blood group	12	Black board method Group discussion, Class test , Lab Demonstration etc.
October	Unit III	PTC; Colour& blindness. Dermatoglyphic study. Theory and Practical	10	Black board method Group discussion, Class test , Lab Demonstration etc.
November	Unit IV	Human growth. Methods of studying Human growth Nutritional requirement for normal growth.	12	Black board method Group discussion, Class test , Lab Demonstration etc.
December	Unit V	Human Ecology, varieties of human ecosystem Biological Practical-Anthropometric Measurements	11	Black board method Group discussion, Class test , Lab Demonstration etc.
January	Unit V	Demographic profiles fertility, mortality, Morbidity. Practical-Statistics	12	Black board method Group discussion, Class test , Lab Demonstration etc.

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Teaching Plan

Academic Year : 2023-24

Name of Department: **Anthropology** Class : **B.Sc. - IIIYear**

Name of Teacher : **Dr. Sandhya Agrawal** Course Type : Theory / Practical

Course Code / Title : **BAN-06** **Theories in Social and Cultural Anthropology**

Month / Week	Unit / Title	Topic of Lecture	No. of lectures	Methods / Mode of Delivery
July	Ist Unit	Contribution in social and cultural Anthropology. By F. Boas, S.C. Dube, R. Redfield, M.N. Shrinivas A.L. Kroeber, L.P. Vidyarthi	13	Black board method Group discussion, Class test , lab Demonstration etc.
August	IInd Unit	Cultural and biological evolution, Diffusion of culture	12	Black board method Group discussion, Class test , lab Demonstration etc.
September	IIIrd Unit	Functional theory of culture by Malinowski structure functionalism by Redelife Brown structuralism by levistrauss.	10	Black board method Group discussion, Class test , lab Demonstration etc.
October	IV Unit	Basic personality and Model personality.	10	Black board method Group discussion, Class test , lab Demonstration etc.
November	IV Unit	Culture pattern by Ruth Benedict.	10	Black board method Group discussion, Class test , lab Demonstration etc.
December	V Unit	Field work tradition in Anthropology. Major tools of social research observation,	11	Black board method Group discussion, Class test , lab Demonstration etc.
January	V Unit	Interview, genealogical method etc.	12	Black board method Group discussion, Class test , lab Demonstration etc.

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Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग

Name of Teacher: डॉ.जय प्रकाश साव Class: B.A. I Semester (A3)

Course Type: सैद्धांतिक Course Code/ Title: AEC, हिंदी भाषा

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	(क) शब्द - विचार : (1) शब्दों का वर्गी करण - 1. अर्थ के आधार पर , 2 परिवर्तन के आधार पर 3. व्युत्पत्ति के आधार पर 4. उत्पत्ति केआधार पर (2) शब्द रचना उपसर्ग, प्रत्यय, सधिं और समास (ख) स्नहे निर्झर बह गया- पंडित सूर्यकांत त्रि पाठी निराला	6	व्याख्यान
सितंबर	इकाई-2	क) शब्दों का व्यावहारिक ज्ञान - उनार्थक , पर्यायवाची अनेकार्थी , समानार्थी , समश्रुति मूलक, विपरार्थी शब्द, अनेक शब्दों के लिए एक शब्द (ख) अभी तक बारिश नहीं हुई : वि नोद कुमार शुक्ल	7	व्याख्यान
अक्टूबर	इकाई-3	(क) विकारी शब्द संज्ञा, सर्वनाम, विशेषण क्रिया, वाच्य (ख) सवा सेर गेहूं - प्रेमचंद	7	व्याख्यान
नवम्बर	इकाई-4	(क) अशुद्धियां एवं अशुद्धि शोधन संबंधी ,व्यंजन संबंधी, संज्ञा संबंधी, सर्वनाम संबंधी ,विशेषण संबंधी क्रिया संबंधी वाच्य संबंधी (ख) दो नाक वाले लोग - हरिशकंर परसाई	10	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

डॉ. अभिनेष सुराना
विभागाध्यक्ष (हिन्दी)
शास. विश्वनाथ यादव तास. स्नात.
महाविद्यालय, दुर्ग (छ.ग.)

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Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. जय प्रकाश साव Class: B. A. III Semester (B)

Course Type: सैद्धांतिक Course Code/ Title: core course ,

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	पाठ्यक्रम की संरचना : इकाई 1. हिंदी की आधुनिक कविताः ऐतिहासिक विकासः । भारतेंदु पूर्व काव्यधारा तथा भारतेंदु युगीन परिवेश सामाजिक, सांस्कृतिक, आर्थिक एवं राजनीतिक परिवेश, भारतेंदु युगीन काव्यधारा सामाजिक चेतना, भक्ति भावना श्रृंगार प्रियता, प्रकृति प्रेम, राष्ट्रीय चेतना, समस्यापूर्ति, हास्य आदि। ii. द्विवेदीयुगीन कविता की प्रमुख प्रवृत्तियाँ राष्ट्रीयता, मानवता, नीति और आदर्श, वर्ण्य विषयों में विविधता और क्षेत्र-विस्तार, हास्य-व्यंग्य संबंधी काव्य, विभिन्न काव्य रूपों का प्रयोग, छंद-वैविध्य, भाषा सौष्ठव आदि। III छायावाद तथा छायावाद युगीन समवर्ती राष्ट्रीय-सांस्कृतिक काव्यधारा ऐतिहासिक विकास। छायावादः नामकरण, पृष्ठभूमि और परिवेश, प्रमुख धाराएँ एवं प्रवृत्तियाँ। iv. छायावाद सुगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्यधारा पृष्ठभूमि तथा प्रवृत्तियाँ।	10	व्याख्यान
सितंबर	इकाई-2	भारतेंदु युगीन कवि तथा उनकी रचनाएँ: भारतेंदु हरिश्चंद्र (नये जमाने की मुकरिया), प्रतापनारायण मिश्र (होलिका पंचक), चौधरी बदरीनारायण 'प्रेमघन' (भागो भागो अब काल पड़ा है भारी)	6	व्याख्यान
अक्टूबर	इकाई-3	द्विवेदीयुगीन एवं छायावादी कवि तथा उनकी रचनाएँ: द्विवेदीयुगीन कवि - मैथिलीशरण गुप्त (सखि वे मुझसे कहकर जाते) रामनरेश त्रिपाठी त्रिपाठी (किसान)। छायावादी कवि-सुमित्रा नंदन पंत (बादल, मोह), महादेवी वर्मा (मैं नीर भरी दुख की बदली)।	6	व्याख्यान
नवम्बर	इकाई-4	छायावाद युगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्य धारा के कवि तथा उनकी रचनाएं : माखनलाल चतुर्वेदी (बली पंथी से, उलाहना, सांझ और ढोलक की थापे), सियारामशरण गुप्त (शंखनाद, संतोष), सुभद्रा कुमारी चौहान (मेरा नया बचपन, जलियांवाला बाग में बसंत, तुम)	8	व्याख्यान

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Signature of Teacher **signature of Head** **signatur**
e of principal

Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. जय प्रकाश साव Class: M.A.. I Semester

Course Type: सैद्धांतिक Course Code/ Title: काव्य शास्त्र तथा साहित्यालोचन (भाग 1) कोड _ MHN_103

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	भारतीय काव्यशास्त्र काव्य-लक्षण काव्य हेतु काव्य-प्रयोजन और काव्य के प्रकार। रस-सिद्धांत ,रस का स्वरूप, रस-निष्पत्ति और साधारणीकरण ,रस के अंग।	7	व्याख्यान
सितंबर	इकाई-2	अलंकार सिद्धांत, रीति सिद्धांत, वक्रोक्ति सिद्धांत ध्वनि सिद्धांत और औचित्य सिद्धांत।	8	व्याख्यान
अक्टूबर	इकाई-3	पाश्चात्य काव्य शास्त्र :प्लेटो काव्य-सिद्धांत, अरस्तू :अनुकरण-सिद्धांत, विरेचन-सिद्धांत त्रासदी-विवेचन, लोंजाइनस :उदात की अवधारणा।	8	व्याख्यान
नवम्बर	इकाई-4	मैथ्यू आर्नल्ड : आलोचना का स्वरूप एवं प्रकार्य । कॉलरिज : कल्पना-सिद्धांत और ललित कल्पना । टी एस इलियट :कला की निवैयक्तिकता परम्परा की परिकल्पना और वैयक्तिक प्रज्ञा क्रिस्टोफर कॉडवेल : कविता की उत्पत्ति।	7	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

डॉ. अभिनेष सुराना
विभागाध्यक्ष (हिन्दी)
शास. विश्वनाथ यादव तास. स्नात.
महाविद्यालय, दुर्ग (छ.ग.)

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग Name of Teacher: डॉ. जयप्रकाश साव

10Class : एम. ए . तृतीय सेम., चतुर्थ सेम. Course Type: Theory/ Practical: सैद्धांतिक

Course Code/ _ MHN- 04 Title: आधुनिक काव्य

Month/week	Unit/Title	Topic of lecture	No. Of lectures	Methods/Mode of Delivery
अगस्त	इकाई 1	मैथिलीशरण गुप्त साकेत नवम सर्ग	13	व्याख्यान
सितंबर	इकाई 2	कामायनी(चिंता, श्रद्धा, इड़ा सर्ग)	12	व्याख्यान
अक्टूबर	इकाई 3	राम की शक्तिपूजा, सरोज स्मृति	12	व्याख्यान
नवंबर	इकाई 4	प्रथम रश्मि, मोह, मैं नहीं चाहता चिर सुख, वह बुड्ढा , मजदूरनी के प्रति	13	व्याख्यान
दिसंबर		सेमेस्टर परीक्षा		
जनवरी	इकाई 1	अज्ञेय _नदी के द्वीप, असाध्य वीणा, बावरा अहेरी, कलगी बाजरे की, यह द्वीप अकेला, उधार, देह वल्ली, सोन मछली	13	व्याख्यान
फरवरी	इकाई 2	गजानन माधव मुक्तिबोध _ अंधेरे में	12	व्याख्यान
मार्च	इकाई 3	नागार्जुन_यह तुम थी , खुरदुरे पैर,तुमको प्रणाम, पछाड़ दिया मेरे आस्तिक ने	12	व्याख्यान
अप्रैल	इकाई 4	त्रिलोचन शास्त्री _ चंपा काले_काले अच्छर, नही चीन्हती, जीवन का लघु प्रसंग, हाथों के दिन, घर वापसी	10	व्याख्यान
मई	इकाई 4	त्रिलोचन शास्त्री _ चंपा काले_काले अच्छर, नही चीन्हती, जीवन का लघु प्रसंग, हाथों के दिन, घर वापसी	3	व्याख्यान

डॉ. अभिनेष सुराना
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महाविद्यालय, दुर्ग (छ.ग.)

Signature of Teacher signature of Head

Teaching plan
Academic year: 2023-24
Name of Department : हिंदी विभाग Name of Teacher: डॉ. जयप्रकाश साव
Class : बी. ए. भाग तीन Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ BHN-06 Title: हिंदी भाषा साहित्य का इतिहास तथा कव्यांग विवेचन

Month/week	Unit/Title	Topic of lecture	No. Of lecture	Methods/ Mode of Delivery
अगस्त	इकाई 1	हिंदी भाषा का स्वरूप विकास हिंदी की उत्पत्ति हिंदी की मूल आकार भाषाएं तथा विभिन्न भाषाओं का विकास	09	व्याख्यान
सितंबर	इकाई 1	हिंदी भाषा के विभिन्न रूप 1.बोलचाल की भाषा 2.रचनात्मक भाषा 3.राष्ट्रभाषा राजभाषा 4. राजभाषा 5.संपर्क भाषा 6.संचार भाषा , हिंदी का शब्द भंडार तत्सम तद्भव देशज आगत शब्दावली	06	व्याख्यान
अक्टूबर	इकाई 2	हिंदी साहित्य का इतिहास प्राचीन काल की सामाजिक सांस्कृतिक पृष्ठभूमि प्रमुख युग प्रवृत्तियां विशिष्ट रचनाकार और उनके प्रतिनिधि कृतियां तथा साहित्यिक विशेषताएं	08	व्याख्यान
नवंबर	इकाई 3	मध्यकाल की सामाजिक सांस्कृतिक पृष्ठभूमि प्रमुख युग प्रवृत्तियां विशिष्ट रचनाकार और उनके प्रतिनिधि कृतियां तथा साहित्यिक विशेषताएं	08	व्याख्यान
दिसंबर	इकाई 4	आधुनिक काल की सामाजिक सांस्कृतिक पृष्ठभूमि प्रमुख युग प्रवृत्तियां विशिष्ट रचनाकार और उनके प्रतिनिधि कृतियां तथा साहित्यिक विशेषताएं	09	व्याख्यान
जनवरी	इकाई 5	कव्यांग: काव्य का स्वरूप एवं प्रयोजन रस के विभिन्न भेद विभिन्न अंग तथा उदाहरण। प्रमुख पांच छंद: दोहा सोरठा चौपाई कुंडलिया सवैया।	10	व्याख्यान
फरवरी	इकाई 5	शब्दालंकार : अनुप्रास, यमक , श्लेष,वक्रोक्ति,पुनरुक्ति प्रकाश । अर्थालंकार : उपमा, रूपक , उत्प्रेक्षा ,अतिशयोक्ति ,भ्रांतिमान	10	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

डॉ. अभिनेष सुराना
विभागाध्यक्ष (हिन्दी)
शास. विश्वनाथ यादव ताम. स्नात.
महाविद्यालय, दुर्ग (छ.ग.)

Teaching Plan

Academic Year: 2023 -24

Name of Department: हिंदी विभाग

Name of Teacher: डॉ. जयप्रकाश साव

Class: बी.कॉम. III (A)

Course Type: सैद्धांतिक Course Code/ Title: हिंदी भाषा

(संप्रेषण कौशल, हिंदी भाषा और सामान्य ज्ञान)

पाठ्यक्रम कोड FCH-03S

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(क) भारत माता : सुमित्रानंदन पंत (ख)कथन की शैलियां 1. विवरणात्मक शैली, 2. मूल्यांकनपरक शैली,3. व्याख्यात्मक शैली, 4. विचारात्मक शैली	06 06	व्याख्यान
सितंबर	इकाई-2	(क) सूखी बाली : उपेन्द्रनाथ अशक (ख) विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचनाएँ,2 विधि सूचक संरचनाएँ,3. निषेध परक संरचनाएँ 4.कालबोधक संरचनाएँ, 5.स्थानबोधक संरचनाएँ,,6.दिशाबोधक संरचनाएँ,7. कार्य कारण सम्बन्ध संरचनाएँ,8. अनुक्रम	08	व्याख्यान
अक्टूबर	इकाई-3	(क) वसीयत:मालती जोशी (ख)कार्यालयीन पत्र और आलेख 1परिपत्र,2.आदेश,3.अधिसूचना,4ज्ञापन, 5. अनुस्मारक,6पृष्ठांकन	06 08	व्याख्यान
नवम्बर	इकाई-4	(अ)योग की शक्ति:हरिवंशराय बच्चन (ख)अनुवाद परिभाषा स्वरूप एवं महत्त्व 1.स्रोत भाषा और लक्ष्य भाषा 2. अच्छे अनुवाद की विशेषताएँ 3. अनुवाद प्रक्रिया, अनुवादक	10 06	व्याख्यान
दिसंबर	इकाई-5	(क) संस्कृति और राष्ट्रीय एकीकरण : योगेश अटल (ख) घटनाओं समारोहों आदि का प्रतिवेदन,विभिन्न प्रकार के निमंत्रण पत्र ।	06	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

डॉ. अभिनेष सुराना
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महाविद्यालय, दुर्ग (छ.ग.)

Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. जय प्रकाश साव Class: M.A.. I I Semester

Course Type: सैद्धांतिक Course Code/ Title: काव्य शास्त्र तथा साहित्यालोचन (भाग 2) कोड _ MHN_103

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	आधुनिक समीक्षा के प्रमुख सिद्धांतः अभिव्यंजनावाद, स्वच्छंदतावाद, मार्क्सवाद, मनोविष्लेषणवाद, अस्तित्ववाद ।	7	व्याख्यान
सितंबर	इकाई-2	हिन्दी कवि–आचार्यों का काव्यषास्त्रीय चिंतन : लक्षण काव्य–परंपरा। हिन्दी आलोचना की प्रमुख प्रवृत्तियॉ : षास्त्रीय, स्वच्छंदतावादी, मनोविष्लेषणवादी, प्रगतिषील।	8	व्याख्यान
अक्टूबर	इकाई-3	प्रमुख हिंदी आलोचकों की समीक्षा–दृष्टि : आचार्य रामचंद्र षुक्ल, आचार्य नंददुलारे वाजपेयी, आचार्य हजारी प्रसाद द्विवेदी, डॉ. नगेन्द्र, डॉ. रामविलास षर्मा ।	8	व्याख्यान
नवम्बर	इकाई-4	व्यावहारिक समीक्षा : प्रष्नपत्र में पूछे गये किसी काव्यांष की स्वविवेक के अनुसार समीक्षा । निराला–कुकुरमुत्ता; जूही की कली , अज्ञेय–साम्राज्ञी का नैवेद्यदान, मुक्तिबोध – भूल–गलती, रघुवीर सहाय – रामदास,	7	व्याख्यान

डॉ. अभिनेष सुराना
विभागाध्यक्ष (हिन्दी)
शास. विश्वनाथ यादव ताम. स्नात.
महाविद्यालय, दुर्ग (छ.ग.)

Signature of Teacher **signature of Head** **signature of principal**

Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

Teaching Plan
Academic Year: 2021-22
Name of Department : हिंदी विभाग
Name of Teacher: डॉ.अभिनेष सुराना।
Class: B.A. III
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र प्रथम,जनपदीय भाषा साहित्य (छत्तीसगढ़ी)
पाठ्यक्रम कोड **BHN-05**

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त /सितंबर	इकाइ-1	क- प्राचीन कवि संत धर्मदास के तीन पद गुरु पइंया लागों नाम लखा दीजो हो। नैन आगे ख्याल धनेरा।भजन करौ भाई रे। (संदर्भ - धर्मदास की पदावली से उद्धृत) ख. द्रुतपाठ - सुंदरलाल शर्मा	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. समस्या समाधान 5.सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर/ नवम्बर	इकाइ-2	क- लखनलाल गुप्त का गद्य - सोनपान डॉ. सत्यभामा आडिल - सीख सीख के गोठ (गद्य पुस्तक 'गोठ' से उद्धृत) ख. द्रुतपाठ - सुंदरलाल शर्मा	08	1. व्याख्यान विधि 2. गूगल क्लास रूम 3. समूह चर्चा 4. समस्या समाधान 5. सत्रीय कार्य और प्रश्नोत्तरी
दिसंबर	इकाइ-3	क. डॉ. विनय पाठक की कविताएँ तैय उठथस सुरूज उथे एक किसिम के नियाव (अकादसी अऊ अनचिन्हार पुस्तक से उद्धृत) ख. दुतपाठ - कपिलनाथ	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
जनवरी	इकाइ-4	क. मुकुन्द कौशल - छत्तीसगढ़ी गजल 'छै बित्ता के मनखे देखो….. छोटे छोटे मछरीमन ल खा लेथे। (पुस्तक छत्तीसगढ़ी गजल के पृष्ठ 17 से उद्धृत) ख. दुतपाठ - रामचन्द्र देशमुख	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
फरवरी/ मार्च	इकाइ-5	क. छत्तीसगढ़ी भाषा, साहित्य का इतिहास।	06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर

Principal
Govt. V.Y.T. P.G. Autonomous College, Durg (C.G.)

इस्ताक्षर

Teaching Plan
Academic Year : 2023-24
Name of Department : हिंदी विभाग
Name of Teacher : डॉ.अभिनेष सुराना

Class: M.A. III Semester
Course Type : सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्रयोजनमूलक हिन्दी भाग-1
(राजभाषा कम्प्यूटिंग एवं पत्रकारिता**)**
पाठ्यक्रम कोड-**302**

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	हिन्दी के विभिन्न रूप सजनात्मक भाषा, संचार भाषा राजभाषा माध्यम भाषा मातृभाषा। कार्यालयीन हिंदी (राजभाषा) के प्रमुख प्रकार्य प्रारूपण पत्रलेखन, संक्षेपण, पल्लवन, टिप्पणी-लेखन।	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाइ-2	पारिभाषिक शब्दावली स्वरूप एवं महत्व, पारिभाषिक शब्दावली निर्माण के सिद्धांत, ज्ञान विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली (निर्धारित शब्द)।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाइ-3	हिन्दी कम्प्यूटिंग कम्यूटर परिचय उपयोगिता क्षेत्र वेब पेज पब्लिशिंग परिचय। इंटरनेट संपर्क उपकरणों का परिचय, प्रकार्यात्मक रख-रखाव एवं इंटरनेट समय मितव्ययिता के सूत्र वेब पब्लिशिंग - इंटरनेट एक्सप्लोइट अथवा नेट स्केप। लिंक, ब्राउजिंग, ईमेल भेजना प्राप्त करना, हिन्दी के प्रमुख इंटरनेट पोर्टल, डाउनलोडिंग व अपलोडिंग, हिन्दी साफ्टवेयर पैकेज इत्यादि का सैद्धांतिक ज्ञान एवं प्रायोगिक प्रशिक्षण।	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी प्रयोगिक
नवम्बर	इकाइ4	पत्रकारिता स्वरूप एवं प्रकार हिन्दी पत्रकारिता का संक्षिप्त इतिहास। समाचार लेखन-कला, संपादन के आधारभूत तत्व, व्यवहारिक पूफ़ शोधन् शीर्षक संरचना, लीड, इंट्रो एवं शीर्षिक संरचना, संपादकीय लेखन, पृष्ठ सज्जा, साक्षात्कार, पत्रकारवार्ता एवं प्रेस प्रबंधन, प्रमुख प्रेस कानून एवं आचार संहिता।	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर



ध्यक्ष के हस्ताक्षर

Teaching Plan
Academic Year : 2023-24
Name of Department : हिंदी विभाग
Name of Teacher : डॉ. अभिनेष सुराना

Class: M.A.IV Semester
Course Type : सैद्धांतिक
Course Code/ Title: प्रयोजनमूलक हिंदी (मीडिया लेखन और अनुवाद) (भाग-2)

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	मीडिया लेखन माध्यमों का जनसंचार प्रौद्योगिकी एवं चुनौतियाँ, विभिन्न जनसंचार स्वरूप मुद्रण श्रव्य दृश्य-श्रव्य, इंटरनेट अवण माध्यम (रेडियो) मौखिक भाषा की प्रकृति। समाचार लेखन एवं वाचन, रेडियो नाटक, उद्घोषणा लेखन, विज्ञापन लेखन, फीचर तथा रिपोर्ताज।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
फरवरी	इकाई-2	दृश्य श्रव्य माध्यम (फिल्म, टेलीविजन एवं रेडियो) दृश्य माध्यमों में भाषा की प्रकृति, दृश्य एवं श्रव्य सामग्री का सामंजस्य, पार्श्व वाचन (वॉयस ओवर)। पटकथा-लेखन, टेली-ड्रामा, संवाद-लेखन साहित्य की विधाओं का दृश्य माध्यमों में रूपांतरण, विज्ञापन की भाषा।	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
मार्च	इकाई-3	अनुवाद सिद्धांत एवं व्यवहार अनुवाद का स्वरूप, क्षेत्र, प्रक्रिया एवं प्रविधि। हिन्दी की प्रयोजनीयता में अनुवाद की भूमिका। कार्यालयीन हिन्दी और अनुवाद। जनसंधार माध्यमों का अनुवाद, विज्ञापन में अनुवाद, वैबारिक साहित्य का अनुवाद, वाणिज्यिक अनुवाद, वैज्ञानिक तकनीकी तथा प्रौद्योगिकी क्षेत्रों में अनुवाद, विधि साहित्य की हिन्दी और अनुवाद।	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अप्रेल	इकाई-4	व्यावहारिक अनुवाद अभ्यास, कार्यालयीन अनुवाद, कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक नियुक्तियाँ, पदनाम, विभाग आदि, पत्रों के अनुवाद, पदनामों, अनुभागों, दस्तावेजों, प्रतिवेदनों के अनुवाद, साहित्यिक अनुवाद के सिद्धांत एवं व्यवहार-कविता, कहानी, नाटक, सारानुवाद, दुभाषिया-प्रविधि ।	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan
Academic Year : 2023-24
Name of Department : हिंदी विभाग
Name of Teacher : डॉ. अभिनेष सुराना
Class : M.A. I Semester

Course Type : सैद्धांतिक
Course Code/ Titl e : जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	छत्तीसगढ़ सामान्य परिचय, भौगोलिक विस्तार, ऐतिहासिकता, नामकरण, सांस्कृतिक वैशिष्ट्य, भाषाएँ एवं बोलियाँ, छत्तीसगढ़ी का उिवकास, भाषिक स्वरूप एवं व्याकरणिक विशेषताएँ।	08	1. व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाइ-2	छत्तीसगढ़ी लोकवार्ता छत्तीसगढ़ का लोकजीवन, लोक परंपराएँ, रीति रिवाज, पर्व, त्यौहार, लोकसाहित्य, लोककाव्य, लोकगाथा, लोककथा, लोकनाट्य का परिचयात्मक अध्ययन।	05 03	1. व्याख्यान विधि 2. समूह चर्चा 3. गूगल क्लास रूम 4. समस्या समाधान 5. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाइ-3	छत्तीसगढ़ी लोककाव्य विभिन्न विधाएँ-करमा, ददरिया, सुआगीत, विवाहगीत, सोहरगीत (प्रत्येक विधा से संबंधित दो लोकगीत) ।	07	1. व्याख्यान विधि 2. समूह चर्चा 3. गूगल क्लास रूम 4. समस्या समाधान 5. सत्रीय कार्य और प्रश्नोत्तरी
नवम्बर	इकाइ-4	छत्तीसगढ़ी लाकगाथा दसमत कैना (पाठ एवं विश्लेषण) । छत्तीसगढ़ी लोककथा सबले बड़े के खोज, चतुरा सगा, जा रे ठेकवा नेवता खा, घोड़ीवाला जिमीदार।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

Teaching Plan
Academic Year : 2023-24
Name of Department : हिंदी विभाग
Name of Teacher : डॉ.अभिनेष सुराना
Class : M.A. II Semester

Course Type : सैद्धांतिक
Course Code/ Title : जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सुन्दरलाल शर्मा, मुकुटधर पाण्डेय, नारायणलाल परमार, डॉ. नरेन्द्रदेव वर्मा, भगवतीलाल सेन, मुरली चन्द्राकर ।	06	1.चाक और व्याख्यान विधि
फरवरी	इकाई-2	सत्तवत्तिन सुकवारा श्याम लाल चतुर्वेदी, कउंवा, कबूतर अउ मनखे परमानंद वर्मा, फिरंतिन मौसी दाई शिवशंकर शुक्ल, गोरसी के गोठ डॉ. पालेश्वर शर्मा	02 02 02 02	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
मार्च	इकाई-3	अमर शहीद वीर नारायण सिंह (छत्तीसगढ़ी खंड काव्य) हरि ठाकुर (सर्ग 1. 2. 3)। करमछड़हा (नाटक) खूबचंद बघेल। परेमा (एकांकी) नंद किशोर तिवारी ।	06 03 02	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अप्रैल	इकाई-4	आवा (उपन्यास) परदेसीराम वर्मा बहू हाथ के पानी (उपन्यास) दुर्गा प्रसाद पारकर	04 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan
Academic Year: 2022-23
Name of Department: हिंदी विभाग
Name of Teacher: डॉ.अभिनेष सुराना
Class: M.A. III Semester

Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्रयोजनमूलक हिन्दी भाग-1
(राजभाषा कम्प्यूटिंग एवं पत्रकारिता)
पाठ्यक्रम कोड -302

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	हिन्दी के विभिन्न रूप सजनात्मक भाषा, संचार भाषा राजभाषा माध्यम भाषा मातृभाषा। कार्यालयीन हिंदी (राजभाषा) के प्रमुख प्रकार्य प्रारूपण पत्रलेखन, संक्षेपण, पल्लवन, टिप्पणी-लेखन।	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाइ-2	पारिभाषिक शब्दावली स्वरूप एवं महत्व, पारिभाषिक शब्दावली निर्माण के सिद्धांत, ज्ञान विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली (निर्धारित शब्द)।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाइ-3	हिन्दी कम्प्यूटिंग कम्प्यूटर परिचय उपयोगिता क्षेत्र वेब पेज पब्लिशिंग परिचय। इंटरनेट संपर्क उपकरणों का परिचय, प्रकार्यात्मक रख-रखाव एवं इंटरनेट समय मितव्ययिता के सूत्र वेब पब्लिशिंग - इंटरनेट एक्सप्लोइट अथवा नेट स्केप। लिंक, ब्राउजिंग, ईमेल भेजना प्राप्त करना, हिन्दी के प्रमुख इंटरनेट पोर्टल, डाउनलोडिंग व अपलोडिंग, हिन्दी साफ्टवेयर पैकेज इत्यादि का सैद्धांतिक ज्ञान एवं प्रायोगिक प्रशिक्षण।	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी प्रयोगिक
नवम्बर	इकाइ-4	पत्रकारिता स्वरूप एवं प्रकार हिन्दी पत्रकारिता का संक्षिप्त इतिहास। समाचार लेखन-कला, संपादन के आधारभूत तत्व, व्यवहारिक पूफ शोधन् शीर्षक संरचना, लीड, इंट्रो एवं शीर्षक संरचना, संपादकीय लेखन, पृष्ठ सज्जा, साक्षात्कार, पत्रकारवार्ता एवं प्रेस प्रबंधन, प्रमुख प्रेस कानून एवं आचार संहिता।	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan
Academic Year : 2022-23
Name of Department : हिंदी विभाग
Name of Teacher : डॉ. अभिनेष सुराना
Class : M.A.IV Semester
Course Type : सैद्धांतिक
Course Code/ Title: प्रयोजनमूलक हिंदी (मीडिया लेखन और अनुवाद) (भाग-2)

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	मीडिया लेखन माध्यमों का जनसंचार प्रौद्योगिकी एवं चुनौतियाँ, विभिन्न जनसंचार स्वरूप मुद्रण श्रवण दृश्य-श्रव्य, इंटरनेट अवण माध्यम (रेडियो) मौखिक भाषा की प्रकृति। समाचार लेखन एवं वाचन, रेडियो नाटक, उद्घोषणा लेखन, विज्ञापन लेखन, फीचर तथा रिपोर्ताज।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
फरवरी	इकाई-2	दृश्य श्रव्य माध्यम (फिल्म, टेलीविजन एवं रेडियो) दृश्य माध्यमों में भाषा की प्रकृति, दृश्य एवं श्रव्य सामग्री का सामंजस्य, पार्श्व वाचन (वॉयस ओवर)। पटकथा-लेखन, टेली-ड्रामा, संवाद-लेखन साहित्य की विधाओं का दृश्य माध्यमों में रूपांतरण, विज्ञापन की भाषा।	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
मार्च	इकाई-3	अनुवाद सिद्धांत एवं व्यवहार अनुवाद का स्वरूप, क्षेत्र, प्रक्रिया एवं प्रविधि। हिन्दी की प्रयोजनीयता में अनुवाद की भूमिका। कार्यालयीन हिन्दी और अनुवाद। जनसंधार माध्यमों का अनुवाद, विज्ञापन में अनुवाद, वैबारिक साहित्य का अनुवाद, वाणिज्यिक अनुवाद, वैज्ञानिक तकनीकी तथा प्रौद्योगिकी क्षेत्रों में अनुवाद, विधि साहित्य की हिन्दी और अनुवाद।	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अप्रैल	इकाई-4	व्यावहारिक अनुवाद अभ्यास, कार्यालयीन अनुवाद, कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक नियुक्तियाँ, पदनाम, विभाग आदि, पत्रों के अनुवाद, पदनामों, अनुभागों, दस्तावेजों, प्रतिवेदनों के अनुवाद, साहित्यिक अनुवाद के सिद्धांत एवं व्यवहार-कविता, कहानी, नाटक, सारानुवाद, दुभाषिया-प्रविधि ।	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year : 2022-23
Name of Department : हिंदी विभाग
Name of Teacher : डॉ. अभिनेष सुराना
Class : M.A. I Semester
Course Type : सैद्धांतिक
Course Code/ Title : जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	छत्तीसगढ़ सामान्य परिचय, भौगोलिक विस्तार, ऐतिहासिकता, नामकरण, सांस्कृतिक वैशिष्ट्य, भाषाएँ एवं बोलियाँ, छत्तीसगढ़ी का उिवकास, भाषिक स्वरूप एवं व्याकरणिक विशेषताएँ।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम
सितंबर	इकाई-2	छत्तीसगढ़ी लोकवार्ता छत्तीसगढ़ का लोकजीवन, लोक परंपराएँ, रीति रिवाज, पर्व, त्यौहार, लोकसाहित्य, लोककाव्य, लोकगाथा, लोककथा, लोकनाट्य का परिचयात्मक अध्ययन।	05 03	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अक्टूबर	इकाई-3	छत्तीसगढ़ी लोककाव्य विभिन्न विधाएँ- करमा, ददरिया, सुआगीत, विवाहगीत, सोहरगीत (प्रत्येक विधा से संबंधित दो लोकगीत) ।	07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
नवम्बर	इकाई-4	छत्तीसगढ़ी लाकगाथा दसमत कैना (पाठ एवं विश्लेषण) । छत्तीसगढ़ी लोककथा सबले बड़े के खोज, चतुरा सगा, जा रे ठेकवा नेवता खा, घोड़ीवाला जिमीदार।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

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Teaching Plan

Academic Year : 2022-23

Name of Department : हिंदी विभाग

Name of Teacher : डॉ.अभिनेष सुराना

Class : M.A. II Semester

Course Type : सैद्धांतिक

Course Code/ Title : जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सुन्दरलाल शर्मा, मुकुटधर पाण्डेय, नारायणलाल परमार, डॉ. नरेन्द्रदेव वर्मा, भगवतीलाल सेन, मुरली चन्द्राकर ।	06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान
फरवरी	इकाई-2	सत्तवत्तिन सुकवारा श्याम लाल चतुर्वेदी, कउंवा, कबूतर अउ मनखे परमानंद वर्मा, फिरंतिन मौसी दाई शिवशंकर शुक्ल, गोरसी के गोठ डॉ. पालेश्वर शर्मा	02 02 02 02	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान
मार्च	इकाई-3	अमर शहीद वीर नारायण सिंह (छत्तीसगढ़ी खंड काव्य) हरि ठाकुर (सर्ग 1. 2. 3)। करमछड़हा (नाटक) खूबचंद बघेल। परेमा (एकांकी) नंद किशोर तिवारी ।	06 03 02	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अप्रैल	इकाई-4	आवा (उपन्यास) परदेसीराम वर्मा बहू हाथ के पानी (उपन्यास) दुर्गा प्रसाद पारकर	04 04	1.चाक और व्याख्यान विधि

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Teaching Plan

Academic Year : 2021-22

Name of Department : हिंदी विभाग

Name of Teacher : डॉ.अभिनेष सुराना

Class: M.A. III Semester

Course Type :सैद्धांतिक

Course Code/ Title: प्रश्नपत्र द्वितीय प्रयोजनमूलक हिन्दी भाग-1 (राजभाषा कम्प्यूटिंग एवं पत्रकारिता) पाठ्यक्रम कोड -302

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	हिन्दी के विभिन्न रूप सजनात्मक भाषा, संचार भाषा राजभाषा माध्यम भाषा मातृभाषा। कार्यालयीन हिंदी (राजभाषा) के प्रमुख प्रकार्य प्रारूपण पत्रलेखन, संक्षेपण, पल्लवन, टिप्पणी-लेखन।	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाइ-2	पारिभाषिक शब्दावली स्वरूप एवं महत्व, पारिभाषिक शब्दावली निर्माण के सिद्धांत, ज्ञान विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली (निर्धारित शब्द)।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान
अक्टूबर	इकाइ-3	हिन्दी कम्प्यूटिंग कम्प्यूटर परिचय उपयोगिता क्षेत्र वेब पेज पब्लिशिंग परिचय। इंटरनेट संपर्क उपकरणों का परिचय, प्रकार्यात्मक रख-रखाव एवं इंटरनेट समय मितव्ययिता के सूत्र वेब पब्लिशिंग - इंटरनेट एक्सप्लोइट अथवा नेट स्केप। लिंक, ब्राउजिंग, ईमेल भेजना प्राप्त करना, हिन्दी के प्रमुख इंटरनेट पोर्टल, डाउनलोडिंग व अपलोडिंग, हिन्दी साफ्टवेयर पैकेज इत्यादि का सैद्धांतिक ज्ञान एवं प्रायोगिक प्रशिक्षण।	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी प्रयोगिक
नवम्बर	इकाइ-4	पत्रकारिता स्वरूप एवं प्रकार हिन्दी पत्रकारिता का संक्षिप्त इतिहास। समाचार लेखन-कला, संपादन के आधारभूत तत्व, व्यवहारिक पूफ शोधन शीर्षक संरचना, लीड, इंट्रो एवं शीर्षक संरचना, संपादकीय लेखन, पृष्ठ सज्जा, साक्षात्कार, पत्रकारवार्ता एवं प्रेस प्रबंधन, प्रमुख प्रेस कानून एवं आचार संहिता।	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

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Teaching Plan

Academic Year: 2021-22

Name of Department : हिंदी विभाग

Name of Teacher : डॉ. अभिनेष सुराना

Class: M.A.IV Semester

Course Type : सैद्धांतिक

Course Code/ Title : प्रयोजनमूलक हिंदी (मीडिया लेखन और अनुवाद) (भाग-2)

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	मीडिया लेखन माध्यमों का जनसंचार प्रौद्योगिकी एवं चुनौतियाँ, विभिन्न जनसंचार स्वरूप मुद्रण श्रव्य दृश्य-श्रव्य, इंटरनेट अवण माध्यम (रेडियो) मौखिक भाषा की प्रकृति। समाचार लेखन एवं वाचन, रेडियो नाटक, उद्घोषणा लेखन, विज्ञापन लेखन, फीचर तथा रिपोर्ताज।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम
फरवरी	इकाई-2	दृश्य श्रव्य माध्यम (फिल्म, टेलीविजन एवं रेडियो) दृश्य माध्यमों में भाषा की प्रकृति, दृश्य एवं श्रव्य सामग्री का सामंजस्य, पार्श्व वाचन (वॉयस ओवर)। पटकथा-लेखन, टेली-ड्रामा, संवाद-लेखन साहित्य की विधाओं का दृश्य माध्यमों में रूपांतरण, विज्ञापन की भाषा।	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
मार्च	इकाई-3	अनुवाद सिद्धांत एवं व्यवहार अनुवाद का स्वरूप, क्षेत्र, प्रक्रिया एवं प्रविधि। हिन्दी की प्रयोजनीयता में अनुवाद की भूमिका। कार्यालयीन हिन्दी और अनुवाद। जनसंधार माध्यमों का अनुवाद, विज्ञापन में अनुवाद, वैबारिक साहित्य का अनुवाद, वाणिज्यिक अनुवाद, वैज्ञानिक तकनीकी तथा प्रौद्योगिकी क्षेत्रों में अनुवाद, विधि साहित्य की हिन्दी और अनुवाद।	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अप्रैल	इकाई-4	व्यावहारिक अनुवाद अभ्यास, कार्यालयीन अनुवाद, कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक नियुक्तियाँ, पदनाम, विभाग आदि, पत्रों के अनुवाद, पदनामों, अनुभागों, दस्तावेजों, प्रतिवेदनों के अनुवाद, साहित्यिक अनुवाद के सिद्धांत एवं व्यवहार-कविता, कहानी, नाटक, सारानुवाद, दुभाषिया-प्रविधि ।	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2021-22

Name of Department: हिंदी विभाग

Name of Teacher : डॉ. अभिनेष सुराना

Class : M.A. I Semester

Course Type : सैद्धांतिक

Course Code/ Title : जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	छत्तीसगढ़ सामान्य परिचय, भौगोलिक विस्तार, ऐतिहासिकता, नामकरण, सांस्कृतिक वैशिष्ट्य, भाषाएँ एवं बोलियाँ, छत्तीसगढ़ी का उिवकास, भाषिक स्वरूप एवं व्याकरणिक विशेषताएँ।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाइ-2	छत्तीसगढ़ी लोकवार्ता छत्तीसगढ़ का लोकजीवन, लोक परंपराएँ, रीति रिवाज, पर्व, त्यौहार, लोकसाहित्य, लोककाव्य, लोकगाथा, लोककथा, लोकनाट्य का परिचयात्मक अध्ययन।	05 03	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाइ-3	छत्तीसगढ़ी लोककाव्य विभिन्न विधाएँ- करमा, ददरिया, सुआगीत, विवाहगीत, सोहरगीत (प्रत्येक विधा से संबंधित दो लोकगीत) ।	07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
नवम्बर	इकाइ-4	छत्तीसगढ़ी लाकगाथा दसमत कैना (पाठ एवं विश्लेषण) । छत्तीसगढ़ी लोककथा सबले बड़े के खोज, चतुरा सगा, जा रे ठेकवा नेवता खा, घोड़ीवाला जिमीदार।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year :2021-22

Name of Department : हिंदी विभाग

Name of Teacher : डॉ.अभिनेष सुराना

Class: M.A. Il Semester

Course Type :सैद्धांतिक

Course Code/ Title : जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सुन्दरलाल शर्मा, मुकुटधर पाण्डेय, नारायणलाल परमार, डॉ. नरेन्द्रदेव वर्मा, भगवतीलाल सेन, मुरली चन्द्राकर ।	06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
फरवरी	इकाई-2	सत्तवत्तिन सुकवारा श्याम लाल चतुर्वेदी, कउंवा, कबूतर अउ मनखे परमानंद वर्मा, फिरंतिन मौसी दाई शिवशंकर शुक्ल, गोरसी के गोठ डॉ. पालेश्वर शर्मा	02 02 02 02	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
मार्च	इकाई-3	अमर शहीद वीर नारायण सिंह (छत्तीसगढ़ी खंड काव्य) हरि ठाकुर (सर्ग 1. 2. 3)। करमछड़हा (नाटक) खूबचंद बघेल। परेमा (एकांकी) नंद किशोर तिवारी ।	06 03 02	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अप्रैल	इकाई-4	आवा (उपन्यास) परदेसीराम वर्मा बहू हाथ के पानी (उपन्यास) दुर्गा प्रसाद पारकर	04 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग Name of Teacher: डॉ.शारदा सिंह
Class: एम.ए. प्रथम एवं द्वितीय सेम Course Type: सैद्धांतिक
Course Code/ Title: आदिकाल एवं पूर्वमध्यकाल, हिन्दी साहित्य का इतिहास भाग-2

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	आदिकाल इतिहास दर्शन और साहित्येतिहास । हिन्दी साहित्य के इतिहास लेखन की परम्परा, साहित्येतिहास के पुनर्लेखन की समस्यायें। हिन्दी साहित्य के इतिहास का काल-विभाजन और नामकरण, नामकरण की समस्यायें ।	12	व्याख्यान
सितंबर	इकाई-2	इकाई 2 हिन्दी साहित्य के आदिकाल की पृष्ठभूमि, वीरगाथा काल तथा रासो काव्य, सिद्ध, नाथ एवं जैन साहित्य, साहित्य प्रवृत्तियाँ, काव्य धाराएँ, प्रतिनिधि रचनाकार ।	12	व्याख्यान
अक्टूबर	इकाई-3	पूर्व मध्यकाल (भक्तिकाल) सांस्कृतिक चेतना एवं भक्ति आंदोलन, भक्ति काल की प्रमुख प्रवृत्तियाँ, विभिन्न काव्य धाराएँ, संतकाव्य-सामान्य प्रवृत्तियाँ ।	11	व्याख्यान
नवम्बर	इकाई-4	सूफी प्रेमाख्यानक काव्य प्रवृत्तियाँ, प्रेमाख्यानक परम्परा और हिन्दी में उसका विकास । रामभक्ति काव्य, कृष्णभक्ति काव्य सामान्य प्रवृत्तियाँ और दार्शनिक विचार धाराएँ, उपलब्धियाँ	12	व्याख्यान
दिसम्बर		सेमेस्टर परीक्षा		
जनवरी	इकाई-1.	उत्तर मध्यकाल (रीतिकाल) काल सीमा, नामकरण, रीतिकालीन साहित्य की विभिन्न धाराएं (रीतिबद्ध, रीतिसिद्ध, रीतिमुक्त) प्रवृत्तियाँ एवं विशेषताएँ। रीतिकाल के प्रतिनिधि रचनाकार एवं रचनाएँ।	12	व्याख्यान
फरवरी	इकाई-2	आधुनिक काल आधुनिक काल की सामाजिक, राजनैतिक, आर्थिक एवं सांस्कृतिक पृष्ठभूमि । 1857 की राज्य क्रांति एवं पुनर्जागरण, भारतेन्दु युग प्रमुख साहित्यकार एवं साहित्यिक विशेषताएँ।	12	व्याख्यान
मार्च	इकाई 3	द्विवेदी युग प्रमुख साहित्यकार एवं साहित्यिक विशेषताएँ, छायावाद प्रमुख साहित्यक, साहित्यिक विशेषताएँ। छायावादोत्तर काल (विभिन्न प्रवृत्तियाँ) प्रगतिवाद, प्रयोगवाद, नई व.. नवगीत, समकालीन कविता, स्वच्छन्दतावाद सामान्य परिचय।	12	व्याख्यान
अप्रैल-मई	इकाई 4.	हिन्दी गद्य का विकास गद्य साहित्य के विभिन्न रूपों कहानी, उपन्यास, निबंध का उद्भव और विकास, सामान्य प्रवृत्तियाँ नाटक का उद्भव, विकास और सामान्य प्रवृत्तियाँ (गीति नाटकों का परिचयात्मक विवेचन) ।	12	व्याख्यान

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग Name of Teacher: डॉ. शारदा सिंह
Class: एम.ए. तृतीय एवं चतुर्थ सेम Course Type: सैद्धांतिक

Course Code:MHN-301 Title भाषा विज्ञान भाग -1, 2

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	भाषा और भाषा विज्ञान : भाषा की परिभाषा और भाषा विज्ञान व्यवहार, भाषा-संरचना। भाषा विज्ञान-स्वरूप एवं व्याप्ति, अध्ययन की दिशाएँ वर्णनात्मक, ऐतिहासिक और तुलनात्म।	12	व्याख्यान
सितंबर	इकाई-2	स्वन पक्रिया स्वन विज्ञान का स्वरूप और शाखाएँ, वाक अवयव और उनके कार्य, स्वन की अवधारणा और स्वनों का वर्गीकरण, स्वन गुण, स्वनिक परिवर्तन। स्वनिम विज्ञान का स्वरूप, स्वनिम की अवधारणा, स्वनिम के भेद ।	13	व्याख्यान
अक्टूबर	इकाई-3	व्याकरणः रूप विज्ञान का स्वरूप और शाखाएँ, रूपिम की अवधारणा और भेद मुक्त-आबद्ध, अर्थदर्शी, संबंध दर्शी, रूपिम भेद और प्रकार्य। वाक्य की अवधारणा, वाक्य के भेद, वाक्य विश्लेषण ।	10	व्याख्यान
नवम्बर	इकाई-4	अर्थ विज्ञान अर्थ की अवधारणा शब्द और अर्थ का संबंध, पर्यायता, अनेकार्थता, विलोमता, अर्थ-परिवर्तन ।	12	व्याख्यान
दिसम्बर		सेमेस्टर परीक्षा		
जनवरी	इकाई-1	हिन्दी की ऐतिहासिक पृष्ठभूमि –प्राचीन भारतीय आर्य भाषाएँ –वैदिक तथा लौकिक संस्कृत और उनकी विशेषताएं। मध्यकालीन भारतीय आर्यभाषाएँ-पाली, प्राकृत, शौरसेनी, अर्धमागधी, मागधी, अपभ्रंश और उनकी विशेषताए, आधुनिक भारतीय भाषाएँ और उनका वर्गीकरण ।	12	व्याख्यान
फरवरी-मार्च	इकाई 2	हिन्दी का भौगोलिक विस्तार हिन्दी की उपभाषाएँ, पश्चिमी हिन्दी, पूर्वी हिन्दी, राजस्थानी, बिहारी हिन्दी तथा पहाड़ी हिन्दी और उनकी बोलियाँ। पूर्वी हिन्दी एवं पश्चिमी हिन्दी की विशेषताएँ	16	व्याख्यान
अप्रैल	इकाई 3.	हिन्दी के विविध रूप संपर्क भाषा, राष्ट्रभाषा, राजभाषा के रूप में हिन्दी, माध्यम भाषा, संचार-भाषा, हिन्दी की संवैधानिक स्थिति ।	12	व्याख्यान
मई	इकाई 4.	हिन्दी में कम्प्यूटर सुविधाएं आंकड़ा संसाधन और शब्द संसाधन, वर्तनी शोधक, मशीनी-अनुवाद, हिन्दी भाषा शिक्षण, देवनागरीलिपि; ,विशेषताएँ और मानकीकरण।	10	व्याख्यान

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24

Name of Department: हिंदी विभाग

Name of Teacher: डॉ. शारदा सिंह

Class: बी.ए. तृतीय सेमेस्टर

Course Type: सैद्धांतिक

Course Code: BHN- GEC -302

Title आधुनिक हिन्दी कविता: भारतेंदु- युग से छायावादी तथा छायावाद की समवर्ती कविता तक

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery

अगस्त	इकाई-1	. हिंदी की आधुनिक कविता: ऐतिहासिक विकास : 1. भारतेंदु-पूर्व काव्यधारा तथा भारतेंदु युगीन परिवेश: सामाजिक, सांस्कृतिक, आर्थिक एवं राजनीतिक परिवेश, भारतेंदु युगीन काव्यधारा सामाजिक चेतना, भक्ति भावना श्रृंगार प्रियता, प्रकृति प्रेम, राष्ट्रीय चेतना, समस्यापूर्ति, हास्य आदि। ii. द्विवेदीयुगीन कविता की प्रमुख प्रवृत्तियाँ: राष्ट्रीयता, मानवता, नीति और आदर्श, वर्ण्य विषयों में विविधता और क्षेत्र-विस्तार, हास्य-व्यंग्य संबंधी काव्य, विभिन्न काव्य रूपों का प्रयोग, छंद वैविध्य, भाषा सौष्ठव आदि। iii. छायावाद तथा छायावाद युगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्यधारा ऐतिहासिक विकास। छायावाद : नामकरण, पृष्ठभूमि और परिवेश, प्रमुख धाराएँ एवं प्रवृत्तियाँ। Iv. छायावाद युगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्यधारा: पृष्ठभूमि तथा प्रवृत्तियाँ।	12	व्याख्यान
सितंबर	इकाई-2	भारतेंदुयुगीन कवि तथा उनकी रचनाएँ भारतेंदु हरिश्चंद्र (नये ज़माने की मुकरियाँ), प्रतापनारायण मिश्र (होलिका पंचक), चौधरी बदरीनारायण 'प्रेमघन' (भागो भागो अब काल पड़ा है भारी)	06	व्याख्यान
अक्टूबर	इकाई-3	. द्विवेदीयुगीन एवं छायावादी कवि तथा उनकी रचनाएँ: द्विवेदीयुगीन कवि - मैथिलीशरण गुप्त (सखि वे मुझसे कहकर जाते), रामनरेश त्रिपाठी (किसान)। छायावादी कवि - जयशंकर प्रसाद (अशोक की चिंता), सूर्यकांत त्रिपाठी 'निराला' (संध्या सुंदरी, जुही की कली) सुमित्रानंदन पंत (बादल, मोह), महादेवी वर्मा (मैं नीर भरी दुःख की बदली)।	06	व्याख्यान
नवम्बर	इकाई-4	छायावाद युगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्यधारा के कवि तथा उनकी रचनाएँ : माखनलाल चतुर्वेदी (बलिपंथी से, उलाहना, सांझ और ढोलक की थापें), सियारामशरण गुप्त (शंखनाद, संतोष), सुभद्रा कुमारी चौहान (मेरा नया बचपन, ,तुम)।	06	व्याख्यान

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. . शारदा सिंह
Class: बी.एस.सी तृतीय वर्ष
Course Type: सैद्धांतिक
Course Code: FCH 03-A
Title –हिन्दी भाषा –सम्प्रेषण कौशल, हिंदी भाषा और सामान्य ज्ञान

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery

अगस्त	इकाई-1	(क) भारत माता : सुमित्रानंदन पंत (ख) कथन की शैलिया 1. विवरणात्मक शैली 2. मूल्यांकनपरक शैली 3. व्याख्यात्मक शैली 4. विचारात्मक शैली	10	व्याख्यान
सितंबर - अक्टूबर	इकाई-2	(क) सूखी डाली: उपेन्द्रनाथ अश्क 2. विधि सूचक संरचनाएँ 3. निषेध परक संरचनाएँ 4. कालबोधक संरचनाएँ 5. स्थानबोधक संरचनाएँ 6. दिशाबोधक संरचनाएँ 7. कार्य-कारण सम्बन्ध संरचनाएँ 8. अनुक्रम	10	व्याख्यान
नवम्बर-दिसम्बर	इकाई-3	(क). वसीयत: मालती जोशी (ख). कार्यालयीन पत्र और आलेख 1. परिपत्र 2. आदेश 3. अधिसूचना 4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन	10	व्याख्यान
जनवरी	इकाई-4	(क) योग की शक्ति: हरिवंशराय बच्चन (ख) अनुवाद परिभाषा, स्वरूप एवं महत्व- 1. सोत भाषा और लक्ष्य भाषा 2. अच्छे अनुवाद की विशेषताएँ 3. अनुवाद प्रक्रिया, अनुवादक।	10	व्याख्यान
फरवरी-मार्च	इकाई	(क) संस्कृति और राष्ट्रीय एकीकरण : योगेश अटल। (ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र।	10	व्याख्यान

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. शारदा सिंह Class: बी.कॉम प्रथम सेमेस्टर
Course Type: सैद्धांतिक Course Code: AECH-103
Title: भाषा व्यहार और सृजनात्मक साहित्य

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	(क) शब्द विचार (1) शब्दों का वर्गीकरण 1. अर्थ के आधार पर, 2 परिवर्तन के आधार पर 3. व्युत्पत्ति के आधार पर 4. उत्पत्ति के आधार पर (2) शब्द रचना उपसर्ग, प्रत्यय, संधि और समास (ख) स्नेह निर्झर वह गया- पं सूर्यकांत त्रिपाठी निराला	10	व्याख्यान

सितंबर	इकाई-2	(क) शब्दों का व्यावहारिक ज्ञान उनार्थक, पर्यायवाची अनेकार्थी, समानार्थी, समश्रुति मूलक, विपरार्थी शब्द, अनेक शब्दों के लिए एक शब्द (ख) अभी तक बारिश नहीं हुई: विनोद कुमार शुक्ल	07	व्याख्यान
अक्टूबर	इकाई-3	(क) विकारी शब्द संज्ञा, सर्वनाम, विशेषण क्रिया, वाच्य (ख) सवा सेर गेहूँ - प्रेमचंद	06	व्याख्यान
नवम्बर	इकाई-4	इकाई 4: (क) अशुद्धियाँ एवं अशुद्धि शोधन स्वर संबंधी, व्यंजन संबंधी संज्ञा संबंधी, सर्वनाम संबंधी, विशे क्रिया संबंधी, वाच्य संबंधी (ख) दो नाक वाले लोग हरिशंकर परसाई	07	व्याख्यान

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year 2023-24 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. शारदा सिंह Class: बी.एसी. द्वितीय सेमेस्टर
Course Type: सैद्धांतिक Course Code :AECH-103
Title: : भाषा व्यहार और सृजनात्मक साहित्य

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
जनवरी	इकाई-1	(क) शब्द विचार (1) शब्दों का वर्गीकरण 1. अर्थ के आधार पर, 2 परिवर्तन के आधार पर 3. व्युत्पत्ति के आधार पर 4. उत्पत्ति के आधार पर (2) शब्द रचना उपसर्ग, प्रत्यय, संधि और समास (ख) स्नेह निर्झर वह गया- पं सूर्यकांत त्रिपाठी निराला	08	व्याख्यान
फरवरी	इकाई-2	(क) शब्दों का व्यावहारिक ज्ञान उनार्थक, पर्यायवाची अनेकार्थी, समानार्थी, समश्रुति मूलक, विपरार्थी शब्द, अनेक शब्दों के लिए एक शब्द (ख) अभी तक बारिश नहीं हुई: विनोद कुमार शुक्ल	08	व्याख्यान
मार्च	इकाई-3	(क) विकारी शब्द संज्ञा, सर्वनाम, विशेषण क्रिया, वाच्य (ख) सवा सेर गेहूँ - प्रेमचंद	07	व्याख्यान

अप्रैल	इकाई-4	(क) अशुद्धियाँ एवं अशुद्धि शोधन स्वर संबंधी, व्यंजन संबंधी संज्ञा संबंधी, सर्वनाम संबंधी, विशेषण, क्रिया संबंधी, वाच्य संबंधी (ख) दो नाक वाले लोग हरिशंकर परसाई	07	व्याख्यान

Name of Department: हिंदी विभाग Name of Teacher Class: : डॉ. शारदा सिंह
Course Type: सैद्धांतिक Course Code: SEC-203 Title-विज्ञापन और समाचार लेखन

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
जनवरी	इकाई-1	इकाई-1 विज्ञापन की परिभाषा और स्वरूप, विज्ञापन के उद्देश्य, विज्ञापन माध्यम।	08	व्याख्यान
फरवरी	इकाई-2	इकाई - 2 विज्ञापन लेखन विज्ञापन कॉपी लेखन, विज्ञापन कॉपी के अंग, कॉपी लेखक के गुण	08	व्याख्यान
मार्च	इकाई-3	इकाई - 3 समाचार की परिभाषा और स्वरुप, समाचार के विभिन्न स्रोत, समाचार संकलन, समाचार लेखन	08	व्याख्यान
अप्रैल	इकाई-4	इकाई 4 समाचार पत्र का प्रबंधन	06	व्याख्यान

शिक्षक के हस्ताक्षर विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग
Name of Teacher Class: : डॉ. शारदा सिंह
Course Type: सैद्धांतिक Title : पर्यावरण अध्ययन

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाई-1	**पर्यावरण अध्ययन: I)परिभाषा, प्रकृति ,विषय क्षेत्र तथा महत्व ii)प्राकृतिक संसाधन :वन iii)प्राकृतिक संसाधन : जल iv)प्राकृतिक संसाधन : खनिज व खाद्य संसाधन v)प्राकृतिक संसाधन : ऊर्जा व भूमि संसाधन**	06	व्याख्यान
सितंबर	इकाई-2,3	**पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण पर्यावरण प्रदुषण: 1वायु प्रदुषण,2जल एवं मृदा प्रदुषण,3 ध्वनि प्रदुषण,4 समुद्री प्रदुषण,5 तापीय प्रदुषण,6 नाभकीय प्रदुषण,7 ठोस अपशिष्ट प्रबंधन, 8 प्रदुषण नियंत्रण एवं 9 आपदा प्रबंधन**	09	पीपीटी
अक्टूबर	इकाई-4	सामाजिक मुद्दे एवं पर्यावरण,एवं पर्यावरण,2 पर्यावरण संरक्षण अधिनियम	06	व्याख्यान
नवम्बर	इकाई-5	मानव जनसंख्या एवं पर्यावरण,2 क्षेत्रीय अध्ययन या फील्ड वर्क ,3 अधिकार एवं कर्तव्य, 4 मानवाधिकार: अर्थ,परिभाषा, महत्व एवं मानवाधिकार के समक्ष चुनौतियाँ व समाधन	09	व्याख्यान

Teaching Plan

Academic Year: 2023-24 Name of Department: हिंदी विभाग
Name of Teacher ; डॉ. शारदा सिंह , Class:: बी. ए. चतुर्थ सेमेस्टर
Course Type: सैद्धांतिक Course Code:
Title ; छत्तीसगढ़ी लोक साहित्य

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
जनवरी	इकाई-1	लोक साहित्यः परिभाषा और स्वरूप, लोक साहित्य संकलनः उद्देश्य, पद्धतियां, समस्याएं और समाधान।	08	व्याख्यान
फरवरी	इकाई-2	लोक साहित्य के लोक तत्व, लोक कथा का स्वरुप और महत्व।	07	व्याख्यान
मार्च	इकाई-3	लोकगीत का स्वरुप और महत्व।	06	व्याख्यान
अप्रैल	इकाई-4	लोक नाट्य परंपरा : नौटंकी, लोक साहित्य में नैतिकता और प्रेम संदर्भ।	09	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24

Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: B. Sc. II Semester (B1,B2,B7,B3,B4)
Course Type: सैद्धांतिक
Course Code/ Title: AEC , भाषा व्यवहार और सृजनात्मक साहित्य

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
अगस्त	इकाइ-1	(क) शब्द - विचार : (1) शब्दों का वर्गीकरण - 1. अर्थ के आधार पर, 2. परिवर्तन के आधार पर, 3. व्युत्पत्ति के आधार पर, 4. उत्पत्ति के आधार पर (2) शब्द रचना - उपसर्ग, प्रत्यय, संधि और समास (ख) स्नेह निर्झर वह गया- पं सूर्यकांत त्रिपाठी निराला	06 02	व्याख्यान
सितंबर	इकाइ-2	(क) शब्दों का व्यावहारिक ज्ञान - उनार्थक, पर्यायवाची अनेकार्थी, समानार्थी, समश्रुति मूलक, विपरीतार्थी शब्द, अनेक शब्दों के लिए एक शब्द (ख) अभी तक बारिश नहीं हुई : विनोद कुमार शुक्ल	06 02	व्याख्यान
अक्टूबर	इकाइ-3	(क) विकारी शब्द संज्ञा, सर्वनाम, विशेषण क्रिया, वाच्य (ख) सवा सेर गेहूँ - प्रेमचंद	05 02	व्याख्यान
नवम्बर	इकाइ-4	(क) अशुद्धियाँ एवं अशुद्धि शोधन - स्वर संबंधी, व्यंजन संबंधी संज्ञा-संबंधी, सर्वनाम संबंधी, विशेषण संबंधी, क्रिया संबंधी, वाच्य-संबंधी (ख) दो नाक वाले लोग - हरिशंकर परसाई	02 02 03	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: B. Sc. IV Semester (M5 M6)
Course Type: सैद्धांतिक
Course Code/ Title: SEC, विज्ञापन और समाचार लेखन

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
जनवरी	इकाई-1	विज्ञापन की परिभाषा और स्वरूप, विज्ञापन के उद्देश्य, ,विज्ञापन माध्यम।	06 02	व्याख्यान
फरवरी	इकाई-2	विज्ञापन लेखन: विज्ञापन कॉपी लेखन, विज्ञापन कॉपी के अंग, कॉपी लेखक के गुण	04 04	व्याख्यान
मार्च	इकाई-3	समाचार की परिभाषा और स्वरुप, समाचार के विभिन्न स्रोत, समाचार संकलन, समाचार लेखन	05 05	व्याख्यान
अप्रैल	इकाई-4	समाचार पत्र का प्रबंधन क्रियात्मक संगठन सम्पादकीय विभाग प्रबंधन विज्ञापन विभाग प्रबंधन उत्पादन विभाग प्रबंधन वितरण विभाग प्रबंधन लेखा विभाग प्रबंधन	02 02 03	व्याख्यन

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: B. Sc. III Year (B3,B4)
Course Type: सैद्धांतिक
Course Code/ Title: हिन्दी भाषा (आधार पाठ्यक्रम)

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त सितंबर	इकाइ-1	(क) भारत माता: सुमित्रानंदन पंत (ख) कथन की शैलियों 1. विवरणात्मक शैली 2. मूल्यांकनपरक शैली 3. व्याख्यात्मक शैली 4. विचारात्मक शैली	03 10	व्याख्यन
अक्टूबर नवम्बर	इकाइ-2	(क) सूखी हाली: उपेन्द्रनाथ अश्क (ख) विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचनाएँ 2. विधि सूचक संरबनाएँ 3. निषेध परक संरचनाएँ 4. कालबोधक संरचनाएँ 5. सर्वनाम 6. दिशात्मक संरचनाएँ 7. कार्य-कारण संबंध सँरचना 8. अनुक्रम	03 09	व्याख्यन
दिसंबर	इकाइ-3	(क). वसीयत: मालती जोशी (ख). कार्यालयीन पत्र और आलेख 1. परिपत्र 2. आदेश 3. अधिसूचना 4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन	03 11	व्याख्यन
जनवरी	इकाइ-4	(क) योग की शक्ति: हरिवंशराय बच्चन (ख) अनुवाद परिभाषा, स्वरूप एवं महत्व। 1. सोत भाषा और लक्ष्य भाषा,अच्छे अनुवाद की विशेषताएँ 3. अनुवाद प्रक्रिया, अनुवादक	03 10	व्याख्यन
फरवरी	इकाइ-5	(क) संस्कृति और राष्ट्रीय एकीकरण: योगेश अटल। (ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र।	03 06	व्याख्यन

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Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: M.A. III Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्रयोजनमूलक हिन्दी भाग-1 (राजभाषा कम्प्यूटिंग एवं पत्रकारिता)
पाठ्यक्रम कोड MHN-302

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	हिन्दी के विभिन्न रूप सजनात्मक भाषा, संचार भाषा राजभाषा माध्यम भाषा मातृभाषा। कार्यालयीन हिंदी (राजभाषा) के प्रमुख प्रकार्य प्रारूपण पत्रलेखन, संक्षेपण, पल्लवन, टिप्पणी-लेखन।	06 06	व्याख्यन
सितंबर	इकाई-2	पारिभाषिक शब्दावली स्वरूप एवं महत्व, पारिभाषिक शब्दावली निर्माण के सिद्धांत, ज्ञान विज्ञान के विभिन्न क्षेत्रों की पारिभाषिक शब्दावली (निर्धारित शब्द)।	08	व्याख्यन
अक्टूबर	इकाई-3	हिन्दी कम्प्यूटिंग कम्प्यूटर परिचय उपयोगिता क्षेत्र वेब पेज पब्लिशिंग परिचय। इंटरनेट संपर्क उपकरणों का परिचय, प्रकार्यात्मक रख-रखाव एवं इंटरनेट समय मितव्ययिता के सूत्र वेब पब्लिशिंग - इंटरनेट एक्सप्लोइट अथवा नेट स्कैप। लिंक, ब्राउजिंग, ईमेल भेजना प्राप्त करना, हिन्दी के प्रमुख इंटरनेट पोर्टल, डाउनलोडिंग व अपलोडिंग, हिन्दी साफ्टवेयर पैकेज इत्यादि का सैद्धांतिक ज्ञान एवं प्रायोगिक प्रशिक्षण।	06 08	व्याख्यन प्रायोगिक
नवम्बर	इकाई-4	पत्रकारिता स्वरूप एवं प्रकार हिन्दी पत्रकारिता का संक्षिप्त इतिहास। समाचार लेखन-कला, संपादन के आधारभूत तत्व, व्यवहारिक पूफ शोधन् शीर्षक संरचना, लीड, इंट्रो एवं शीर्षक संरचना, संपादकीय लेखन, पृष्ठ सज्जा, साक्षात्कार, पत्रकारवार्ता एवं प्रेस प्रबंधन, प्रमुख प्रेस कानून एवं आचार संहिता।	10 06	व्याख्यन प्रेस भ्रमण

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Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: M.A. IV Semester
Course Type: सैद्धांतिक
Course Code/ Title: मीडिया लेखन और अनुवाद

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	**मीडिया लेखन जनसंचार प्रौद्योगिकी एवं चुनौतियाँ, विभिन्न जनसंवार माध्यमों का स्वरूप मुद्रण, श्रवण दृश्य अव्य इंटरनेट श्रवण माध्यम (रेडियो) मौखिक भाषा की प्रकृति। समाचार लेखन एवं वाचन, रेडियो नाटक, उद्घोषणा लेखन, विज्ञापन लेखन फीचर तथा रिपोर्ताज।**	04 08	व्याख्यन
फरवरी	इकाई-2	**दृश्य श्रव्य माध्यम (फिल्म, टेलीविजन एवं रेडियो) दृश्य माध्यमों में भाषा की प्रकृति, दृश्य एवं श्रव्य सामग्री का सामंजस्य, पार्श्व वाचन (वॉयस ओवर)। पटकथा-लेखन, टेली-ड्रामा, संवाद-लेखन साहित्य की विधाओं का दृश्य माध्यमों में रूपांतरण, विज्ञापन की भाषा।**	15	व्याख्यन
मार्च	इकाई-3	**व्यावहारिक अनुवाद अभ्यास, कार्यालयीन अनुवाद, कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक नियुक्तियाँ, पदनाम विभाग आदि, पत्रों के अनुवाद,पदनामों, अनुभागों, दस्तावेजों, प्रतिवेदनों के अनुवाद, साहित्यिक अनुवाद के सिद्धांत एवं व्यवहार-कविता, कहानी, नाटक, सारानुवाद, दुभाषिया-प्रविधि ।**	08 07	व्याख्यन
अप्रैल	इकाई-4	व्यावहारिक अनुवाद अभ्यास, कार्यालयीन अनुवाद, कार्यालयीन एवं प्रशासनिक शब्दावली, प्रशासनिक नियुक्तियाँ, पदनाम, विभाग आदि, पत्रों के अनुवाद, पदनामों, अनुभागों, दस्तावेजों, प्रतिवेदनों के अनुवाद, साहित्यिक अनुवाद के सिद्धांत एवं व्यवहार-कविता, कहानी, नाटक, सारानुवाद, दुभाषिया-प्रविधि ।	05 05	व्याख्यन

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Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: M.A. I Semester
Course Type: सैद्धांतिक
Course Code/ Title: जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	1. छत्तीसगढ़ सामान्य परिचय, भौगोलिक विस्तार, ऐतिहासिकता, नामकरण, सांस्कृतिक वैशिष्ट्य, भाषाएँ एवं बोलियाँ, छत्तीसगढ़ी का उिवकास, भाषिक स्वरूप एवं व्याकरणिक विशेषताएँ।	08	व्याख्यान
सितंबर	इकाई-2	छत्तीसगढ़ी लोकवार्ता छत्तीसगढ़ का लोकजीवन, लोक परंपराएँ, रीति रिवाज, पर्व, त्यौहार, लोकसाहित्य, लोककाव्य, लोकगाथा, लोककथा, लोकनाट्य का परिचयात्मक अध्ययन।	05 03	व्याख्यान
अक्टूबर	इकाई-3	छत्तीसगढ़ी लोककाव्य विविध विधाएँ-करमा, ददरिया, सुआगीत, विवाहगीत, सोहरगीत (प्रत्येक विधा से संबंधित दो लोकगीत) ।	07	व्याख्यान
नवम्बर	इकाई-4	छत्तीसगढ़ी लाकगाथा दसमत कैना (पाठ एवं विश्लेषण) । छत्तीसगढ़ी लोककथा सबले बड़े के खोज, चतुरा सगा, जा रे ठेकवा नेवता खा, घोड़ीवाला जिमीदार।	03 04	व्याख्यान

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Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: M.A. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: जनपदीय भाषा साहित्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सुन्दरलाल शर्मा, मुकुटधर पाण्डेय, नारायणलाल परमार, डॉ. नरेन्द्रदेव वर्मा, भगवतीलाल सेन, मुरली चन्द्राकर ।	06	व्याख्यान
फरवरी	इकाई-2	सत्तवांत्तेन सुकवारा श्याम लाल चतुर्वेदी, कउंवा, कबूतर अउ मनखे परमानंद वर्मा, फिरंतिन मौसी दाई शिवशंकर शुक्ल, गोरसी के गोठ डॉ. पालेश्वर शर्मा	02 02 02 02	व्याख्यान
मार्च	इकाई-3	अमर शहीद वीर नारायण सिंह (छत्तीसगढ़ी खंड काव्य) हरि ठाकुर (सर्ग 1. 2. 3)। करमछड़हा (नाटक) खूबचंद बघेल। परेमा (एकांकी) नंद किशोर तिवारी ।	06 03 02	व्याख्यान
अप्रैल	इकाई-4	आवा (उपन्यास) परदेसीराम वर्मा बहू हाथ के पानी (उपन्यास) दुर्गा प्रसाद पारकर	04 04	व्याख्यान

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: B.A.I sem
Course Type: सैद्धांतिक
Course Code/ Title: हिंदी साहित्य का इतिहास

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	कालु विभाजन एवं नामकरण, आदिकालीन काव्य धाराएँ, सिद्ध, नाथ एवं जैन साहित्य प्रमुख रासो काव्य, आदिकालीन हिन्दी साहित्य की सामान्य विशेषताएँ ।	08	व्याख्यान
सितंबर	इकाइ-2	भक्ति आन्दोलन सांस्कृतिक पृष्ठभूमि प्रमुख निगुण कवि प्रमुख सगुण कवि, भक्तिकाल की सामान्य विशेषताएँ ।	07	व्याख्यान
अक्टूबर	इकाइ-3	रीतिकाल की ऐतिहासिक पृष्ठभूमि रीतिबद्ध रीतिसिद्ध, तथा रीतिमुक्त काव्यधारा की प्रवृत्तियाँ तथा प्रमुख कवि।	07	व्याख्यान
नवम्बर	इकाइ-4	सन 1857 का स्वतन्त्रता संघर्ष और हिन्दी नवजागरण, भारतेंदु युगीन साहित्य की विशेषताएँ, महावीर प्रसाद द्विवेदी उनका युग प्रमुख साहित्यकार मैथिलीशरण गुप्त और राष्ट्रीय काव्यधारा।	08	व्याख्यान

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Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. ओम कुमारी देवांगन
Class: B.A.II sem
Course Type: सैद्धांतिक
Course Code/ Title: प्राचीन एवं मध्यकालीन काव्य

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाइ-1	इकाइ 1: कबीरदास : 15 साखियाँ (सतगुरु की महिमा अनंत, राम नाम के पर्टतरै, सतगुरु मिल्या त का भया, कबीर सुमिरन सार है, मेरा मन सुमिरै राम कूँ, अंबर कुंजाँ कुरलियाँ, मूवाँ पीछे जिनि मिलै, जिहि सरि मारी काल्हि, अगिन जु लागी नीर में, समंदर लागी, आगी, हदे छाड़ि बेहदि गया, घट मांहै, औघट लह्या, कबीर भाठी कलाल की, जिहि सर घड़ा न डूबता, सुरति डीकुली लेज ल्यौ)	08	व्याख्यान
फरवरी	इकाइ-2	सूरदास भ्रमरगीत सार: 15 पद (पाहले कारे परनाम नन्द सौं, कहियों नंद कठोर भए, जदुपति लख्यो तेहि, मुसकात, मन क्रम बच मैं तुम्हें पठावत, पथिक संदेसों कहियो जाय, नीके रहियो जसुमति मैया, सुनियो एक संदेसों ऊधो गोकुल को जात, कोऊ आवत है तन स्याम, है कोई वैसई अनुहारि, देखो नन्द द्वार रथ, ठाढो, कहाँ-कहाँ ते आए हौं, ऊधो को उपदेश सुनी किन कान दै, तू अलि ! कासों कहत बनाय ?, हम तो नन्द घोष की बासी, गोकुल सबै गोपाल उपासी)	08	व्याख्यान
मार्च	इकाइ-3	तुलसीदास रामचरितमानसः सुन्दरकाण्ड (प्रारंभिक 10 दोहे-चौपाई)	07	व्याख्यान
अप्रैल	इकाइ-4	घनानंद : 10 छंद : (जासों प्रीति ताहि निठुराइ सों निपट नेह, पूरन प्रेम को मंत्र महा पन, आनाकानी आरसी निहारिबो करोगे कौ लौं, हीन भएँ जल मीन अधीन, लाजनि लपेटि चितवनि भेद-भाय-भरी, रावरे रूप की रीति अनूप, पहिले घन आनंद सीचि सुजान, भए अति निठुर, मिटाय पहिचानि डारी, कारी कूर कोकिला कहाँ को बैर काढ़ति री, खोयदई बुधि सोय गई सुधि)।	07	व्याख्यान

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Teaching plan
Academic year: 2023-24
Name of Department : हिंदी विभाग Name of Teacher: डॉ. लता गोस्वामी
Class : एम. ए . प्रथम सेम., द्वितीय सेम. Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ MHN-104 Title: आधुनिक गद्य साहित्य

Month/ week	Unit / Title	Topic of lecture	No. Of lectures	Methods/ Mode of Delivery
जुलाई				
अगस्त	इकाई 1	स्कंदगुप्त	13	व्याख्यान
सितंबर	इकाई 2	आधे _ अधूरे	12	व्याख्यान
अक्टूबर	इकाई 3	निबंध _ कविता क्या है, जानि शरद ऋतु खंजन आए, चंद्रमा मनसो जात:	12	व्याख्यान
नवंबर	इकाई 4	कहानी _ उसने कहा था ,अमृतसर आ गया, कफन ,गुंडा	13	व्याख्यान
दिसंबर		सेमेस्टर परीक्षा		
जनवरी	इकाई 1	मैला आंचल	12	व्याख्यान
फरवरी	इकाई 2	गोदान	13	व्याख्यान
मार्च	इकाई 3	एकांकी _ वसंत, स्ट्राइक, तौलिए, मुर्गीवाला	10	व्याख्यान
अप्रैल	इकाई 4	कथेतर गद्य साहित्य _ फणीश्वर नाथ रेणु _ कुत्ते की आवाज, सौंदर्य की नदी नर्मदा	12	व्याख्यान
मई	इकाई 4	कथेतर गद्य साहित्य _ फणीश्वर नाथ रेणु _ कुत्ते की आवाज, सौंदर्य की नदी नर्मदा	3	व्याख्यान

Signature of Teacher signature of Head signature of principal

Teaching plan
Academic year: 2023-24
Name of Department : हिंदी विभाग Name of Teacher: डॉ. लता गोस्वामी

10Class : एम. ए . तृतीय सेम., चतुर्थ सेम. **Course Type: Theory/ Practical:** सैद्धांतिक
Course Code/ _ MHN- 04 Title: आधुनिक काव्य

Month/week	Unit/Title	Topic of lecture	No. Of lectures	Methods/Mode of Delivery
अगस्त	इकाई 1	मैथिलीशरण गुप्त साकेत नवम सर्ग	13	व्याख्यान
सितंबर	इकाई 2	कामायनी(चिंता, श्रद्धा, इड़ा सर्ग)	12	व्याख्यान
अक्टूबर	इकाई 3	राम की शक्तिपूजा, सरोज स्मृति	12	व्याख्यान
नवंबर	इकाई 4	प्रथम रश्मि, मोह, मैं नहीं चाहता चिर सुख, वह बुड्ढा , मजदूरनी के प्रति	13	व्याख्यान
दिसंबर		सेमेस्टर परीक्षा		
जनवरी	इकाई 1	अज्ञेय _नदी के द्वीप, असाध्य वीणा, बावरा अहेरी, कलगी बाजरे की, यह द्वीप अकेला, उधार, देह वल्ली, सोन मछली	13	व्याख्यान
फरवरी	इकाई 2	गजानन माधव मुक्तिबोध _ अंधेरे में	12	व्याख्यान
मार्च	इकाई 3	नागार्जुन_यह तुम थी , खुरदुरे पैर,तुमको प्रणाम, पछाड़ दिया मेरे आस्तिक ने	12	व्याख्यान
अप्रैल	इकाई 4	त्रिलोचन शास्त्री _ चंपा काले_काले अच्छर, नही चीन्हती, जीवन का लघु प्रसंग, हाथों के दिन, घर वापसी	10	व्याख्यान
मई	इकाई 4	त्रिलोचन शास्त्री _ चंपा काले_काले अच्छर, नही चीन्हती, जीवन का लघु प्रसंग, हाथों के दिन, घर वापसी	3	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.Sc. ll sem (M 1, 2,9,10,11)Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ Title: भाषा व्यवहार और सृजनात्मक साहित्य

Month/week	Unit/Title	Topic of lecture	No. Of lectures	Methods/Mode of Delivery
जनवरी	इकाई 1	(क) शब्द विचार 1शब्दों का वर्गीकरण _अर्थ, परिवर्तन,व्युत्पति के आधार पर 2 शब्द रचना _ उपसर्ग, प्रत्यय,संधि, समास (ख) स्नेह निर्झर बह गया	7	व्याख्यान
फरवरी	इकाई 2	शब्दों का व्यवहारिक ज्ञान _ऊनार्थक, पर्यायवाची, अनेकार्थी, समानार्थी, समश्रुति मूलक, विपरीतार्थी शब्द (ख) अभी तक बारिश नही हुई	6	व्याख्यान
मार्च	इकाई 3	विकारी शब्द संज्ञा, सर्वनाम ,विशेषण ,क्रिया ,वाच्य (ख) सवा सेर गेहूं	5	व्याख्यान
अप्रैल\ मई	इकाई 4	अशुद्धियां एवं अशुद्धि शोधन संबंधी, व्यंजन संबंधी, संज्ञा संबंधी, सर्वनाम संबंधी विशेषण संबंधी क्रिया संबंधी व्हाट्सएप संबंधी (ख) दो नाक वाले लोग	6 6	व्याख्यान

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.Sc. lll sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ Title: VAC (योगा**)**

Month/week	Unit/Title	Topic of lecture	No. Of lectures	Methods/Mode of Delivery
अगस्त	इकाई 1	परिचय _ संक्षिप्त विवरण , योगा क्या है? महत्व, इतिहास, उद्देश्य योगाभ्यास	7	व्याख्यान
सितंबर	इकाई 2	स्वास्थ्य के लिए योग	6	व्याख्यान
अक्टूबर	इकाई 3	शारीरिक दक्षता के लिए योग, आसन	8	व्याख्यान
नवंबर	इकाई 4	एकाग्रता के लिए योग, आसन	9	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24
Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : बी. ए. भाग तीन **Course Type: Theory/ Practical:** सैद्धांतिक
Course Code/ _ BHN-06 Title: हिंदी भाषा साहित्य का इतिहास तथा कव्यांग विवेचन

Month/week	Unit/Title	Topic of lecture	No. Of lecture	Methods/ Mode of Delivery

अगस्त	इकाई 1	हिंदी भाषा का स्वरूप विकास हिंदी की उत्पत्ति हिंदी की मूल आकार भाषाएं तथा विभिन्न भाषाओं का विकास	09	व्याख्यान
सितंबर	इकाई 1	हिंदी भाषा के विभिन्न रूप 1.बोलचाल की भाषा 2.रचनात्मक भाषा 3.राष्ट्रभाषा राजभाषा 4. राजभाषा 5.संपर्क भाषा 6.संचार भाषा , हिंदी का शब्द भंडार तत्सम तद्भव देशज आगत शब्दावली	06	व्याख्यान
अक्टूबर	इकाई 2	हिंदी साहित्य का इतिहास प्राचीन काल की सामाजिक सांस्कृतिक पृष्ठभूमि प्रमुख युग प्रवृत्तियां विशिष्ट रचनाकार और उनके प्रतिनिधि कृतियां तथा साहित्यिक विशेषताएं	08	व्याख्यान
नवंबर	इकाई 3	मध्यकाल की सामाजिक सांस्कृतिक पृष्ठभूमि प्रमुख युग प्रवृत्तियां विशिष्ट रचनाकार और उनके प्रतिनिधि कृतियां तथा साहित्यिक विशेषताएं	08	व्याख्यान
दिसंबर	इकाई 4	आधुनिक काल की सामाजिक सांस्कृतिक पृष्ठभूमि प्रमुख युग प्रवृत्तियां विशिष्ट रचनाकार और उनके प्रतिनिधि कृतियां तथा साहित्यिक विशेषताएं	09	व्याख्यान
जनवरी	इकाई 5	कव्यांग: काव्य का स्वरूप एवं प्रयोजन रस के विभिन्न भेद विभिन्न अंग तथा उदाहरण। प्रमुख पांच छंद: दोहा सोरठा चौपाई कुंडलिया सवैया।	10	व्याख्यान
फरवरी	इकाई 5	शब्दालंकार : अनुप्रास, यमक , श्लेष,वक्रोक्ति,पुनरुक्ति प्रकाश । अर्थालंकार : उपमा, रूपक , उत्प्रेक्षा ,अतिशयोक्ति ,भ्रांतिमान	10	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan

Academic year: 2023-24

Name of Department : हिंदी विभाग Name of Teacher: डॉ. लता गोस्वामी
Class : बी. ए. भाग तीन Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ FCH 03-A Title
संप्रेषण कौशल हिंदी भाषा और सामान्य ज्ञान

Month/ Week	Unit/Title	Topic of lecture	No. Of lecture	Method/ Mode of delivery

अगस्त \ सितंबर	इकाई 1	(क) भारत माता सुमित्रानंदन पंत (ख) कथन की शैलियां 1. विवरणात्मक शैली 2. मूल्यांकनपरक शैली 3. व्याख्यात्मक शैली 4. विचारात्मक शैली	4 5	व्याख्यान
अक्टूबर	इकाई 2	(क) सूखी डाली उपेन्द्रनाथ अश्क (ख) विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचनाएँ 2. विधि सूचक संरचनाएँ 3. निषेध परक संरचनाएँ, 4. कालबोधक संरचनाएँ 5. स्थानबोधक संरचनाएँ 6. दिशाबोधक संरचनाएँ 7. कार्य कारण संबंधी संरचनाएँ	9	व्याख्यान
नवंबर	इकाई 3	इकाई 3 (क). वसीयत मालती जोशी ख) कार्यालयीन पत्र और आलेख (1. परिपत्र 2 आदेश 3. अधिसूचना 4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन	07	व्याख्यान
दिसंबर	इकाई 4	इकाई 4 (क) योग की शक्ति हरिवंशराय बच्चन 1. स्रोतभाषा और लक्ष्य भाषा 2. अच्छे अनुवाद की विशेषताएं 3. अनुवाद प्रक्रिया, अनुवादक	09	व्याख्यान
जनवरी\ फरवरी	इकाई 5	इकाई 5 (क) संत और राष्ट्रीय एकीकरण (ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र।	9 7	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग Name of Teacher: डॉ. लता गोस्वामी
Class : B.Sc. lll sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ Title: Evs(पर्यावरण)

Month /Week	Unit / Title	Topic of lecture	No. Of lecture	Method/Mode of delivery
अगस्त	इकाई 1	पर्यावरण अध्ययन: I)परिभाषा, प्रकृति ,विषय क्षेत्र तथा महत्व ii)प्राकृतिक संसाधन :वन iii)प्राकृतिक संसाधन : जल iv)प्राकृतिक संसाधन : खनिज व खाद्य संसाधन v)प्राकृतिक संसाधन : ऊर्जा व भूमि संसाधन	7	व्याख्यान

सितंबर	इकाई 2	पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण	6	व्याख्यान
अक्टूबर	इकाई 3, इकाई 4	पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण	10	व्याख्यान
नवंबर	इकाई 5	पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण	7	व्याख्यान

Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.A. I sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ BHN-CCH-101 Title: हिन्दी साहित्य का इतिहास (कोर कोर्स)

Month /Week	Unit / Title	Topic of lecture	No. Of lecture	Method/Mode of delivery
अगस्त	यूनिट 1	काल विभाजन एवं नामकरण आदिकालीन काव्य धाराएं सिद्ध,नाथ, एवं जैन साहित्य प्रमुख रासो काव्य आदिकालीन हिंदी साहित्य की सामान्य विशेषताएं	7	व्याख्यान
सितंबर	यूनिट 2	भक्ति आंदोलन सांस्कृतिक पृष्ठभूमि प्रमुख निर्गुण कई प्रमुख सगुन कवि भक्ति काल की सामान्य विशेषताएं	8	व्याख्यान
अक्टूबर		रीतिकाल की ऐतिहासिक पृष्ठभूमि रीतिबद्ध रीति सिद्ध तथा रीतिमुक्त काव्यधारा की प्रवृत्तियां तथा प्रमुख कवि	5	व्याख्यान
नवंबर	यूनिट 4	सन 1857 का स्वतंत्रता संघर्ष और हिंदी नव जागरण भारतेंदु युगीन साहित्य की विशेषताएं महावीर प्रसाद द्विवेदी उनका युग प्रमुख साहित्यकार मैथिलीशरण गुप्त और राष्ट्रीय काव्यधारा	4	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.a. II sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ BHN_CCH_202 Title: मध्यकालीन हिंदी कविता (कोर कोर्स)

Month / week	Unit	Topic of lecture	No. Of lecture	Method/ Mode of delivery
जनवरी	इकाई 1	कबीरदास : 15 साखियाँ (सतगुरु की महिमा अनंत, राम नाम के पटंतरै, सतगुरु मिल्या त का भया, कबीर सुमिरन सार है, मेरा मन सुमिरै राम कूँ, अंबर कुंजाँ कुरलियाँ, मूवाँ पीछे जिनि मिलै, जिहि सरि मारी कालि्ह, अगिन जु लागी नीर में, समंदर लागी, आगी, हदे छाडि बेहदि गया, घट महैि, औघट लहा,, कबीर भाठी कलाल की, जिहि सर धड़ा न डूबता, सुरति ढीकुली लेज ल्यौ)	6	व्याख्यान

फरवरी	इकाई 2	सूरदास: भ्रमरगीत सार: 15 पद (पहले करि परनाम नन्द सों,कहियों नन्द कठोर भए , जदुपति लख्यो तेहि, मुस्कात,मन क्रम मैं तुम्हें पठावत, पथिक संदेसो कहियो जाय,, नीके रहियो जसुमति मैया, एक सन्देसों उधो गोकुल को जात, कोउ आवत है तन श्याम, है कोई वैसई अनुहारि, देखो नन्द द्वार रथ, ठाढ़ो, कहाँ - कहाँ ते आए हौं, ऊधो को उपदेश सुनी किन कान दै, तू अलि! कासों कहत बनाय?, हम तो नन्दघोष की बासी, गोकुल सबै गोपाल उपासी	10	व्याख्यान
मार्च	इकाई 3	तुलसीदास : रामचरितमानस: सुन्दरकाण्ड (प्रारंभिक 10 दोहे-चौपाई)	6	व्याख्यान
अप्रैल	इकाई 4	घनानंद: 10 छंद (जासों प्रीति ताहि निठुराई सौ निपट नेह, पूरन प्रेम को मंत्र महा पन, आनाकानी आरसी निहारिको करोगे को लौ, हीन भएँ जल मीन अधीन, लाजनि लपेटि चितवनि भेद भाय - भरी, रावरे रूप की रीति अनूप, पहिले घन आनंद सींचि सुजान, भए अति निठुर, मिटाय पहिचानि डाड़ी, कारी कूर कोकिला कहाँ को बैर काढती री, खोयदई बुधि सोय गई सुधि)	8	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.a. III sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ BHN_GEC_302 Title: आधुनिक हिंदी कविता भारतेंदु युग से छायावादी तथा छायावाद की समवर्ती कविता तक

Month / week	Unit	Topic of lecture	No. Of lecture	Mode/Method of Delivery

अगस्त	यूनिट 1	हिंदी की आधुनिक कविता: ऐतिहासिक विकास: i भारतेंदु पूर्व काव्यधारा तथा भारतेंदु युगीन परिवेश सामाजिक, सांस्कृतिक, आर्थिक एवं राजनीतिक परिवेश, भारतेंदु युगीन काव्यधारा सामाजिक चेतना, भक्ति भावना श्रृंगार प्रियता, प्रकृति प्रेम, राष्ट्रीय चेतना, समस्यापूर्ति, हास्य आदि। ii. द्विवेदीयुगीन कविता की प्रमुख प्रवृत्तियाँ राष्ट्रीयता, मानवता, नीति और आदर्श, वर्ण्य विषयों में विविधता और क्षेत्र-विस्तार, हास्य-व्यंग्य संबंधी काव्य, विभिन्न काव्य रूपों का प्रयोग, छंद-वैविध्य, भाषा सौष्ठव आदि। III छायावाद तथा छायावाद युगीन समवर्ती राष्ट्रीय-सांस्कृतिक काव्यधारा ऐतिहासिक विकास। छायावाद: नामकरण, पृष्ठभूमि और परिवेश, प्रमुख धाराएँ एवं प्रवृत्तियाँ। iv. छायावाद सुगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्यधारा पृष्ठभूमि तथा प्रवृत्तियाँ।	10	व्याख्यान
सितंबर	यूनिट 2	भारतेंदु युगीन कवि तथा उनकी रचनाएँ: भारतेंदु हरिश्चंद्र (नये जमाने की मुकरिया), प्रतापनारायण मिश्र (होलिका पंचक), चौधरी बदरीनारायण 'प्रेमघन' (भागो भागो अब काल पड़ा है भारी)	6	व्याख्यान
अक्टूबर	यूनिट 3	द्विवेदीयुगीन एवं छायावादी कवि तथा उनकी रचनाएँ: द्विवेदीयुगीन कवि - मैथिलीशरण गुप्त (सखि वे मुझसे कहकर जाते) रामनरेश त्रिपाठी त्रिपाठी (किसान)। छायावादी कवि- सुमित्रा नंदन पंत (बादल, मोह), महादेवी वर्मा (मैं नीर भरी दुख की बदली)।	8	व्याख्यान
नवंबर	यूनिट 4	छायावाद युगीन समवर्ती राष्ट्रीय सांस्कृतिक काव्य धारा के कवि तथा उनकी रचनाएं : माखनलाल चतुर्वेदी (बली पंथी से, उलाहना, ,सांझ और ढोलक की थापे),सियारामशरण गुप्त (शंखनाद, संतोष), सुभद्रा कुमारी चौहान (मेरा नया बचपन, जलियांवाला बाग में बसंत ,तुम)	6	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24
Teaching of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.a. III sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ SECH_305 Title: कार्यालय भाषा अनुप्रयोग **(SEC)**

Month/week	Unit/Title	Topic of lecture	No. Of lecture	Mode/Method of Delivery

अगस्त	इकाई 1	कार्यालयीन भाषा प्रारूपण (पत्राचार, कार्यालय ज्ञापन, कार्यालय आदेश, परिपत्र, अधिसूचना, अर्धशाशकीय पत्र आवेदन पत्र ,प्रतिवेदन ,अनुस्मारक पृष्ठांकन शासकीय संकल्प	9	व्याख्यान
सितंबर	इकाई 2	टिप्पण_ प्रक्रिया एवं स्वरूप व्यावहारिक अनुप्रयोग संक्षेपण _प्रक्रिया एवं स्वरूप कार्यालय अनुप्रयोग पारिभाषिक शब्दावली _स्वरूप प्रक्रिया एवं महत्व	6	व्याख्यान
अक्टूबर	इकाई 3	अनुवाद का स्वरूप प्रक्रिया प्रविधि एवं महत्व कार्यालय इन हिंदी और अनुवाद प्रक्रिया	7	व्याख्यान
नवंबर	इकाई 4	अनुवाद का प्रकार्यात्मक महत्व जनसंचार विज्ञान तकनीकी बैंकिंग खनिज विधि आई क्षेत्र में अनुवाद की भूमिका	8	व्याख्यान

Signature of Teacher **signature of Head** **signature of principal**

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग **Name of Teacher:** डॉ. लता गोस्वामी
Class : B.a. IV sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ BHN_DES_303 Title: लोक साहित्य

Month / week	Unit	Topic of lecture	No. Of lecture	Mode/Method of Delivery

जनवरी	**इकाई 1**	**लोक साहित्य: परिभाषा एवं स्वरूप, लोक साहित्य संकलन: उद्देश्य, पद्धतियाँ, समस्याएँ एवं समाधान।**	**9**	**व्याख्यान**
फरवरी	**इकाई 2**	**लोक साहित्य के लोक तत्व, लोक कथा का स्वरुप और महत्व।**	**6**	**व्याख्यान**
मार्च	**इकाई 3**	**लोकगीत का स्वरूप और महत्व।**	**7**	**व्याख्यान**
अप्रैल	**इकाई 4**	**लोक नाट्य परंपरा : नौटंकी, लोकसाहित्य में नैतिकता और प्रेम संदर्भ।**	**8**	**व्याख्यान**

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. लता गोस्वामी
Class: B. Sc. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: SEC, विज्ञापन और समाचार लेखन

Month / Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
जनवरी	इकाई-1	विज्ञापन की परिभाषा और स्वरूप, विज्ञापन के उद्देश्य, ,विज्ञापन माध्यम।	06 02	व्याख्यान
फरवरी	इकाई-2	विज्ञापन लेखन: विज्ञापन कॉपी लेखन, विज्ञापन कॉपी के अंग, कॉपी लेखक के गुण	04 04	व्याख्यान
मार्च	इकाई-3	समाचार की परिभाषा और स्वरुप, समाचार के विभिन्न स्रोत, समाचार संकलन, समाचार लेखन	05 05	व्याख्यान
अप्रैल	इकाई-4	समाचार पत्र का प्रबंधन क्रियात्मक संगठन सम्पादकीय विभाग प्रबंधन विज्ञापन विभाग प्रबंधन उत्पादन विभाग प्रबंधन वितरण विभाग प्रबंधन लेखा विभाग प्रबंधन	02 02 03	व्याख्यन

Signature of Teacher **signature of Head** **signature of principal**

Teaching Plan

Academic Year: 2020-21 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: B.com II Semester (B)
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र : आधार पाठ्यक्रम, हिंदी भाषा, पाठ्यक्रम कोड FCH-02C

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	हिंदी भाषा और उसके विविध रूप कार्यालयीन भाषा, मीडिया की भाषा, महात्मा गांधी - चोरी और प्रायश्चित	06	व्याख्यान
सितंबर	इकाई-2	हिंदी भाषा और उसके विविध रूप वित्त एवं वाणिज्य की भाषा, मशीनी भाषा अचार्य नरेंद्र देव - युवकों का समाज में स्थान	02 02 02 02	व्याख्यान
अक्टूबर	इकाई-3	संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण। वासुदेवशरण अग्रवाल - मातृभूमि	06 03 02	व्याख्यान
नवम्बर	इकाई-4	समास, संधि एवं संक्षिप्तियां पंडित माधवराव सप्रे - संभाषण कुशलता	04 04	व्याख्यान
	इकाई 5	अनुवाद व्यवहार : अंग्रेजी से हिंदी में अनुवाद। हरि ठाकुर - डॉ. खूबचंद बघेल		

Teaching Plan

Academic Year: 2020-21 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: B.com II Semester (A)
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र : आधार पाठ्यक्रम , हिंदी भाषा, पाठ्यक्रम कोड FCH - 02C

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	हिंदी भाषा और उसके विविध रूप कार्यालयीन भाषा, मीडिया की भाषा, महात्मा गांधी - चोरी और प्रायश्चित	06 06	व्याख्यान
सितंबर	इकाई-2	हिंदी भाषा और उसके विविध रूप वित्त एवं वाणिज्य की भाषा, मशीनी भाषा अचार्य नरेंद्र देव - युवकों का समाज में स्थान	08	व्याख्यान
अक्टूबर	इकाई-3	संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण। वासुदेवशरण अग्रवाल - मातृभूमि	06 08	व्याख्यान प्रायोगिक
नवम्बर	इकाई-4	समास, संधि एवं संक्षिप्तियां पंडित माधवराव सप्रे - संभाषण कुशलता	10	व्याख्यान
	इकाई 5	अनुवाद व्यवहार : अंग्रेजी से हिंदी में अनुवाद। हरि ठाकुर - डॉ. खूबचंद बघेल		

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2020-21 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: B.com . III Semester
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र : हिंदी भाषा, पाठ्यक्रम कोड MHN-A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(1) पत्रकारिता का स्वरूप और प्रमुख प्रकार । (2) विश्व पत्रकारिता का उदय भारत में पत्रकारिता का आरम्भ ।	08	व्याख्यान
सितंबर	इकाई-2	(1)हिन्दी पत्रकारिता का उद्‌भव और विकास। (2)पत्रकारिता का प्रबंधन प्रशासनिक व्यवस्था, बिक्री तथा वितरण व्यवस्था ।	05 03	व्याख्यान
अक्टूबर	इकाई-3	(1) समाचार पत्रकारिता के मूल तत्व समाचार संकलन तथा लेखन के मुख्य आयाम । (2) सम्पादन कला के सामान्य सिद्धांत शीर्षकीकरण, पृष्ठ-विन्यास, आमुख और समाचार पत्र की प्रस्तुति प्रक्रिया। (3)समाचार पत्रों के विभिन्न स्तम्भों की योजना ।	07	व्याख्यान
नवम्बर	इकाई-4	(1) संवाददाता की अर्हता श्रेणी एवं कार्य पद्धति । (2) पत्रकारिता से संबंधित लेखन सम्पादकीय फीचर रिपोर्ताज साक्षात्कार, खोजी समाचार पाठ्यक्रम अधिगम परिणाम अनुवर्तन (फॉलोअप) की प्रविधि।	03 04	व्याख्यान

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: B.A. III
Course Type: सैद्धांतिक Course Code/ Title: हिंदी भाषा, पाठ्यक्रम कोड FCH-03 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(क) भारत माता: सुमित्रानंदन पंत (ख) कथन की शैलियों: 1. विवरणात्मक शैली 2. मूल्यांकनपरक शैली 3. व्याख्यात्मक शैला 4. विचारात्मक शैली	06 06	1.चाक और व्याख्यान विधि
सितंबर	इकाई-2	(क) सूखी डाली : उपेन्द्रनाथ अश्क (ख विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचनाएँ 2. विधि सूचक संरचनाएँ 3. निषेध परक संरचनाएँ 4. कालबोधक संरचनाएँ, 5. स्थानबोधक संरचनाएँ 6. दिशाबोधक संरचनाएँ 7. कार्य कारण सम्बन्ध संरचनाएँ 8. अनुक्रम	06 08	1.चाक और व्याख्यान विधि
अक्टूबर	इकाई-3	(क) वसीयत मालती जोशी (ख)कार्यालयीन पत्र और आलेख 1. परिपत्र 2. आदेश, 3. अधिसूचना,4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन	06 08	1.चाक और व्याख्यान विधि
नवम्बर	इकाई-4	(अ)योग की शक्ति : हरिवंशराय बच्चन (ख)अनुवाद परिभाषा, स्वरूप एवं महत्व 1. स्रोत भाषा और लक्ष्य भाषा 2. अच्छे अनुवाद की विशेषताएँ 3. अनुवाद प्रक्रिया, अनुवादक	10 06	1.चाक और व्याख्यान विधि
दिसंबर	इकाई-5	(क)संस्कृति और राष्ट्रीय एकीकरण : योगेश अटल (ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र ।	06	1.चाक और व्याख्यान विधि

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्ण चटर्जी Class: B-Sc. I
Course Type: सैद्धांतिक Course Code/ Title: हिंदी भाषा,पाठ्यक्रम कोड FCH-01S

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**

अगस्त	इकाई-1	(क) पल्लवन, पत्राचार एवं अनुवाद, पारिभाषिक शब्दावली, हिन्दी में पदनाम (ख) ईदगाह (कहानी): प्रेमचंद	06 06	1.चाक और व्याख्यान विधि 4. गूगल क्लास रूम
सितंबर	इकाई-2	(क) शब्द-शुध्दि, वाक्य शुध्दि, पर्यायवाची, विलोम, अनेकार्थी, समश्रुत, अनेक शब्दों के लिये एक शब्द। मुहावरे एवं लोकोक्तियाँ। (ख) भारत वन्दना (कविता) : सूर्यकान्त त्रिपाठी निराला।	08	1.चाक और व्याख्यान विधि
अक्टूबर	इकाई-3	(क) देवनागरी लिपि नामकरण, स्वरूप एवं विशेषताएँ हिन्दी अपठित गद्यांश, संक्षेपण, हिन्दी में संक्षिप्तीकरण। (ख) भोलाराम का जीव (व्यंग्य) - हरिशंकर परसाई	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 4. गूगल क्लास रूम
नवम्बर	इकाई-4	(क) कम्प्यूटर का परिचय एवं कम्प्यूटर में हिन्दी का अनुप्रयोग, (ख) शिकागो से स्वामी विवेकानंद का पत्र	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 6. सत्रीय कार्य और प्रश्नोत्तरी
दिसंबर	इकाई-5	क) मानक हिन्दी भाषा का अर्थ, स्वरूप, विशेषताएँ, मानक, उपमानक, अमानक भाषा (ख) सामाजिक गतिशीलता प्राचीन काल, मध्यकाल, आधुनिक काल	10	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. कृष्ण चटर्जी Class: B.A. II

Course Type: सैद्धांतिक Course Code/ Title: हिंदी साहित्य ,पाठ्यक्रम कोड BHN-03

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**

अगस्त	इकाई-1	(क) 1. आधुनिक काव्यधारा का इतिहास (राष्ट्रीय काव्यधारा, छायावाद, प्रगतिवाद, प्रयोगवाद, नई कविता) (ख) 2. मैथिलीशरण गुप्त-भारत भारती की कविताएं (शिक्षा, शुभकामना)	08	1.चाक और व्याख्यान विधि 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाई-2	(क) सूर्यकांत त्रिपाठी निराला- 1. सरित्र बसन्त आया। 2. वर दे, वीणा वादिनी वर दे। 3. राजे ने अपनी रखवाली की। 4. तोड़ती पत्थर 5. हिन्दी के सुमनों के प्रति पत्र। (ख) दुतपाठ अयोध्या सिंह उपाध्याय 'हरिऔध'	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अक्टूबर	इकाई-3	(क) सुमित्रानंदन पंत 1. बादल,2. परिवर्तन (2 पद- खोलता इधर जन्मालोचन 2 आज का दुख कल का आल्हाद)3. ताज.4. झंझा में नीम,5. भारत माता (ख) दुतपाठ सुभद्रा कुमारी चौहान	08 07	1.चाक और व्याख्यान विधि 4. गूगल क्लास रूम 5. समस्या समाधान
नवम्बर	इकाई-4	(क) माखन लाल चतुर्वेदी 1 बलिपथी से,2 सांड़ा और दोलक की थायें 3 में बेच रही हूँ, दही, 4 उलाहना 5. निःशस्त्र सेनानी (ख)द्रुतपाठ : श्रीकांत वर्मा	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
	इकाई-5	(क) स.ही वास्यायन अज्ञेय 1. सबेरे उठा तो धूप खिली थी 2. साम्राज्ञी का नैवेद्य दान,3. घर 4. चांदनी जी लो,5. दूर्वांचल	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग

Name of Teacher: डॉ.कृष्णा चटर्जी Class:M.A.I Sem

Course Type: सैद्धांतिक Course Code/ Title: प्रश्न पत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग - 1) (नाटक एवं कहानी) पाठ्यक्रम कोड : MHN-104

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	नाटक: चंद्रगुप्त - जयशंकर प्रसाद	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
फरवरी	इकाई-2	नाटक: आधे अधूरे - मोहन राकेश	08	1.चाक और व्याख्यान विधि 4. गूगल क्लास रूम 6. सत्रीय कार्य और प्रश्नोत्तरी

अक्टूबर	इकाई-3	निबन्ध - 1. चढ़ती उमर - बालकृष्ण भट्ट 2. कविता क्या है - अचार्य रामचन्द्र शुक्ल 3. भारतीय साहित्य की प्राण शक्ति - आचार्य हजारी प्रसाद द्विवेदी 4. जानि शरद ऋतु खंजन आए - रामवृक्ष बेनीपुरी 5. चंद्रमा मनसो जातः - विद्यानिवास मिश्र 6. वैष्णव की फिसलन - हरिशंकर परसाई	06 08	1.चाक और व्याख्यान विधि 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
नवम्बर	इकाई-4	कहानी: कथा परिदृश्य (संपादक डॉ. सतीश जनार्दन केकरे एवं प्रो. के. एन. झा) 1. उसने कहा था - चंद्रधर शर्मा गुलेरी 2. गुंडा - जयशंकर प्रसाद 3. कफन - प्रेमचंद 4. जाह्नवी - जैनेंद्र कुमार 5. कितने पाकिस्तान – कमलेश्वर 6. वापसी - उषा प्रियम्वदा	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. कृष्णा चटर्जी Class: M.A. IIISemester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र प्रथम : भाषा विज्ञान (भाग-1) पाठ्यक्रम कोड MHN-301

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
सितंबर	इकाई-1	भाषा और भाषा विज्ञान: भाषा की परिभाषा और अभिलक्षण, भाषा व्यवस्था और भाषा व्यवहार, भाषा संरचना।भाषा विज्ञान स्वरूप एवं व्याप्ति, अध्ययन की दिशाएं - वर्णनात्मक, ऐतिहासिक और तुलनातमक ।	06 06	1.चाक और व्याख्यान विधि 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाई-2	स्वन प्रक्रिया: स्वन विज्ञान का स्वरूप और शाखाएं, वाक् अवयव और उनके कार्य, स्वन की अवधारणा और स्वनों का वर्गीकरण, स्वन गुण, स्वनिक परिवर्तन। स्वनिम विज्ञान का स्वरूप, स्वनिम की अवधारणा, स्वानिम के भेद।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
नवम्बर	इकाई-3	व्याकरण: रुप विज्ञान का स्वरूप और शाखाएं, रूपिम की अवधारणा और भेद: मुक्त आबद्ध, अर्थदर्शी, संबंध दर्शी, रूपिम भेद और प्रकार्य। वाक्य की अवधारणा, वाक्य के भेद, वाक्य विश्लेषण।	06 08	1.चाक और व्याख्यान विधि
दिसंबर	इकाई-4	अर्थ विज्ञान: अर्थ की अवधारणा, शब्द और अर्थ का संबंध, पर्यायता, अनेकार्थता, विलोमता, अर्थ परिवर्तन।	10	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग

Name of Teacher: डॉ.कृष्णा चटर्जी Class: M.A. II Semester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग-2) पाठ्यक्रम कोड MHN-204

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जून	इकाई-1	उपन्यास - गोदान - मुंशी प्रेमचंद	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें
जुलाई	इकाई-2	उपन्यास - मैला आंचल - फणीश्वरनाथ रेणु	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें
अगस्त	इकाई-3	एकांकी - रंग सप्तक -विभु कुमार, डॉ. एस. जे. केकरे, डॉ. त्रिभुवननाथ शुक्ल 1.औरंगजेब की आखिरी रात - रामकुमार वर्मा 2.एक दिन - लक्ष्मीनारायण मिश्र 3.स्ट्राइक – भुवनेश्वर 4.तौलिए - उपेंद्रनाथ अश्क 5.मम्मी ठकुराइन - लक्ष्मीनारायण लाल	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटे

नवम्बर	इकाई-4	चरितात्मक कृति : - पथ के साथी : महादेवी वर्मा (केवल दो निबंध)- 1.निराला भाई 2.सुभद्रा	05 05	1.चाक और व्याख्यान विधि 4. गूगल क्लास रूम 6. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan

Academic Year: 2021-22 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. कृष्णा चटर्जी Class: M.A. IV Semester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्न पत्र: प्रथम, भाषा विज्ञान (भाग - 2) पाठ्यक्रम कोड MHN-401

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	हिंदी की ऐतिहासिक पृष्ठभूमि - प्राचीन भारतीय आर्य भाषाएं - वैदिक तथा लौकिक संस्कृत और उनकी विशेषताएं । मध्यकालीन भारतीय आर्य भाषाएं - पाली, प्राकृत, शौरसेनी, अर्धमग्धी, मागधी, अपभ्रंश और उनकी विशेषताएं , आधुनिक भारतीय भाषाएं और उनका वर्गीकरण।	08	1.चाक और व्याख्यान विधि 4. गूगल क्लास रूम
सितंबर	इकाई-2	हिंदी का भौगोलिक विस्तार - हिंदी की उपभाषाएं, पश्चिमी हिंदी, पूर्वी हिंदी, राजस्थानी, बिहारी हिंदी तथा पहाड़ी हिंदी और उनकी बोलियां। पूर्वी हिंदी और पश्चिमी हिंदी की विशेषताएं।	05 03	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाई-3	हिंदी के विविध रूप - संपर्क भाषा, राष्ट्रभाषा, राजभाषा के रुप में हिंदी, माध्यम भाषा, संचार भाषा, हिंदी की संवैधानिक स्थिति।	07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

नवम्बर	इकाई-4	हिंदी में कंप्यूटर सुविधाएं - आंकड़ा संसाधन और शब्द संसाधन, वर्तनी - शोधक, मशीनी अनुवाद, हिंदी भाषा शिक्षण, देवनागरी लिपि : विशेषताएं और मानकीकरण।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ.कृष्णा चटर्जी Class: B.A.II Semester
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र : द्वितीय, हिंदी साहित्य, हिंदी निबंध तथा अन्य गद्य विधाएं, पाठ्यक्रम कोड BHN- 04

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	नाटक - अंधेर नगरी - भारतेंदु हरिश्चंद्र	08	व्याख्यन
सितंबर	इकाई-2	(क) निबंध - क्रोध - आचार्य रामचंद्र शुक्ल बसंत आ गया - डॉ. हजारी प्रसाद द्विवेदी उस अमराई ने राम राम कही है - विद्यानिवास मिश्र (ख) द्रुतपाठ - राहुल सांकृत्यायन	15	व्याख्यन
अक्टूबर	इकाई-3	(क) निबंध काव्येशु नाटक रम्यम - बाबू गुलाब राय बेईमानी की परत - हरिशंकर परसाई (ख) द्रुतपाठ - महादेवी वर्मा	08 07	व्याख्यन
नवम्बर	इकाई-4	(क) एकांकी - औरंगजेब की आखिरी रात - डॉ. रामकुमार वर्मा स्ट्राइक - भुवनेश्वर (ख) द्रुतपाठ - हबीब तनवीर	05 05	व्याख्यन
	इकाई 5	एकांकी - एक दिन - लक्ष्मीनारायण मिश्र दस हजार - उदय शंकर भट्ट मम्मी ठकुराइन - डॉ. लक्ष्मीनारायण लाल		

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: B.Sc. III
Course Type: सैद्धांतिक Course Code/ Title: हिंदी भाषा, पाठ्यक्रम कोड BHN-05

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(क) भारत माता: सुमित्रानंदन पंत (ख) कथन की शैलियों: 1. विवरणात्मक शैली 2. मूल्यांकनपरक शैली 3. व्याख्यात्मक शैला 4. विचारात्मक शैली	06 06	1.चाक और व्याख्यान विधि

सितंबर	इकाई-2	(क) सूखी डाली : उपेन्द्रनाथ अश्क (ख विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचनाएँ 2. विधि सूचक संरचनाएँ 3. निषेध परक संरचनाएँ 4. कालबोधक संरचनाएँ, 5. स्थानबोधक संरचनाएँ 6. दिशाबोधक संरचनाएँ 7. कार्य कारण सम्बन्ध संरचनाएँ 8. अनुक्रम	06 08	1.चाक और व्याख्यान विधि 4. गूगल क्लास रूम5. समस्या समाधान
अक्टूबर	इकाई-3	(क) वसीयत मालती जोशी (ख)कार्यालयीन पत्र और आलेख 1. परिपत्र 2. आदेश, 3. अधिसूचना,4. ज्ञापन 5. अनुस्मारक 6. पृष्ठांकन	06 08	1.चाक और व्याख्यान विधि
नवम्बर	इकाई-4	(अ)योग की शक्ति : हरिवंशराय बच्चन (ख)अनुवाद परिभाषा, स्वरूप एवं महत्व 1. स्रोत भाषा और लक्ष्य भाषा 2. अच्छे अनुवाद की विशेषताएँ 3. अनुवाद प्रक्रिया, अनुवादक	10 06	1.चाक और व्याख्यान विधि 3. समूह चर्चा
दिसंबर	इकाई-5	(क)संस्कृति और राष्ट्रीय एकीकरण : योगेश अटल (ख) घटनाओं, समारोहों आदि का प्रतिवेदन, विभिन्न प्रकार के निमंत्रण पत्र ।	06	1.चाक और व्याख्यान विधि 6. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ.कृष्णा चटर्जी Class:M.A.I Sem
Course Type: सैद्धांतिक Course Code/ Title: प्रश्न पत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग - 1) (नाटक एवं कहानी) पाठ्यक्रम कोड : MHN-104

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	नाटक: चंद्रगुप्त - जयशंकर प्रसाद	06 06	1.चाक और व्याख्यान विधि
सितम्बर	इकाई-2	नाटक: आधे अधूरे - मोहन राकेश	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें
अक्टूबर	इकाई-3	निबन्ध - 1. चढ़ती उमर - बालकृष्ण भट्ट 2. कविता क्या है - अचार्य रामचन्द्र शुक्ल 3. भारतीय साहित्य की प्राण शक्ति - आचार्य हजारी प्रसाद द्विवेदी 4. जानि शरद ऋतु खंजन आए - रामवृक्ष बेनीपुरी 5. चंद्रमा मनसो जातः - विद्यानिवास मिश्र 6. वैष्णव की फिसलन - हरिशंकर परसाई	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
नवम्बर	इकाई-4	कहानी: कथा परिदृश्य (संपादक डॉ. सतीश जनार्दन केकरे एवं प्रो. के. एन. झा) 1. उसने कहा था - चंद्रधर शर्मा गुलेरी 2. गुंडा - जयशंकर प्रसाद 3. कफन - प्रेमचंद 4. जाह्नवी - जैनेंद्र कुमार 5. कितने पाकिस्तान – कमलेश्वर 6. वापसी - उषा प्रियम्वदा	10 06	1.चाक और व्याख्यान विधि

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: M.A. IIISemester
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र प्रथम : भाषा विज्ञान (भाग-1) पाठ्यक्रम कोड MHN-301

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**

सितंबर	इकाई-1	भाषा और भाषा विज्ञान: भाषा की परिभाषा और अभिलक्षण, भाषा व्यवस्था और भाषा व्यवहार, भाषा संरचना।भाषा विज्ञान स्वरूप एवं व्याप्ति, अध्ययन की दिशाएं - वर्णनात्मक, ऐतिहासिक और तुलनातमक ।	06 06	1.चाक और व्याख्यान विधि
अक्टूबर	इकाई-2	स्वन प्रक्रिया: स्वन विज्ञान का स्वरूप और शाखाएं, वाक् अवयव और उनके कार्य, स्वन की अवधारणा और स्वनों का वर्गीकरण, स्वन गुण, स्वनिक परिवर्तन। स्वनिम विज्ञान का स्वरूप, स्वनिम की अवधारणा, स्वानिम के भेद।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें
नवम्बर	इकाई-3	व्याकरण: रुप विज्ञान का स्वरूप और शाखाएं, रूपिम की अवधारणा और भेद: मुक्त आबद्ध, अर्थदर्शी, संबंध दर्शी, रूपिम भेद और प्रकार्य। वाक्य की अवधारणा, वाक्य के भेद, वाक्य विश्लेषण।	06 08	1.चाक और व्याख्यान विधि 5. समस्या समाधान
दिसंबर	इकाई-4	अर्थ विज्ञान: अर्थ की अवधारणा, शब्द और अर्थ का संबंध, पर्यायता, अनेकार्थता, विलोमता, अर्थ परिवर्तन।	10	1.चाक और व्याख्यान विधि 6. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ.कृष्णा चटर्जी Class: M.A. II Semester
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग-2) पाठ्यक्रम कोड MHN-204

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	उपन्यास - गोदान - मुंशी प्रेमचंद	08	1.चाक और व्याख्यान विधि 5. समस्या समाधान
फरवरी	इकाई-2	उपन्यास - मैला आंचल - फणीश्वरनाथ रेणु	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें
मार्च	इकाई-3	एकांकी - रंग सप्तक -विभु कुमार, डॉ. एस. जे. केकरे, डॉ. त्रिभुवननाथ शुक्ल 1.औरंगजेब की आखिरी रात - रामकुमार वर्मा 2.एक दिन - लक्ष्मीनारायण मिश्र 3.स्ट्राइक – भुवनेश्वर 4.तौलिए - उपेंद्रनाथ अश्क 5.मम्मी ठकुराइन - लक्ष्मीनारायण लाल	08 07	1.चाक और व्याख्यान विधि 5. समस्या समाधान
अप्रैल	इकाई-4	चरितात्मक कृति : - पथ के साथी : महादेवी वर्मा (केवल दो निबंध)- 1.निराला भाई 2. सुभद्रा	05 05	1.चाक और व्याख्यान विधि

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: M.A. IV Semester
Course Type: सैद्धांतिक Course Code/ Title: प्रश्न पत्र: प्रथम, भाषा विज्ञान (भाग - 2) पाठ्यक्रम कोड MHN-401

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	हिंदी की ऐतिहासिक पृष्ठभूमि - प्राचीन भारतीय आर्य भाषाएं - वैदिक तथा लौकिक संस्कृत और उनकी विशेषताएं । मध्यकालीन भारतीय आर्य भाषाएं - पाली, प्राकृत, शौरसेनी, अर्धमग्धी, मागधी, अपभ्रंश और उनकी विशेषताएं , आधुनिक भारतीय भाषाएं और उनका वर्गीकरण।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

फरवरी	इकाई-2	हिंदी का भौगोलिक विस्तार - हिंदी की उपभाषाएं, पश्चिमी हिंदी, पूर्वी हिंदी, राजस्थानी, बिहारी हिंदी तथा पहाड़ी हिंदी और उनकी बोलियां। पूर्वी हिंदी और पश्चिमी हिंदी की विशेषताएं।	05 03	1.चाक और व्याख्यान विधि 3. समूह चर्चा
मार्च	इकाई-3	हिंदी के विविध रूप - संपर्क भाषा, राष्ट्रभाषा, राजभाषा के रुप में हिंदी, माध्यम भाषा, संचार भाषा, हिंदी की संवैधानिक स्थिति।	07	1.चाक और व्याख्यान विधि
अप्रैल	इकाई-4	हिंदी में कंप्यूटर सुविधाएं - आंकड़ा संसाधन और शब्द संसाधन, वर्तनी - शोधक, मशीनी अनुवाद, हिंदी भाषा शिक्षण, देवनागरी लिपि : विशेषताएं और मानकीकरण।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग

Name of Teacher: डॉ.कृष्णा चटर्जी Class:M.A.I Sem

Course Type: सैद्धांतिक Course Code/ Title: प्रश्न पत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग - 1) (नाटक एवं कहानी) पाठ्यक्रम कोड : MHN-104

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	नाटक: चंद्रगुप्त - जयशंकर प्रसाद	06 06	1.चाक और व्याख्यान विधि
फरवरी	इकाई-2	नाटक: आधे अधूरे - मोहन राकेश	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें
अक्टूबर	इकाई-3	निबन्ध - 1. चढ़ती उमर - बालकृष्ण भट्ट 2. कविता क्या है - अचार्य रामचन्द्र शुक्ल 3. भारतीय साहित्य की प्राण शक्ति - आचार्य हजारी प्रसाद द्विवेदी 4. जानि शरद ऋतु खंजन आए - रामवृक्ष बेनीपुरी 5. चंद्रमा मनसो जातः - विद्यानिवास मिश्र 6. वैष्णव की फिसलन - हरिशंकर परसाई	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
नवम्बर	इकाई-4	कहानी: कथा परिदृश्य (संपादक डॉ. सतीश जनार्दन केकरे एवं प्रो. के. एन. झा) 1. उसने कहा था - चंद्रधर शर्मा गुलेरी 2. गुंडा - जयशंकर प्रसाद 3. कफन - प्रेमचंद 4. जाह्नवी - जैनेंद्र कुमार 5. कितने पाकिस्तान – कमलेश्वर 6. वापसी - उषा प्रियम्वदा	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें

प्राधयापक के हस्ताक्षर विभागाध्यक्ष

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी Class: M.A. IIISemester
Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र प्रथम : भाषा विज्ञान (भाग-1) पाठ्यक्रम कोड MHN-301

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
सितंबर	इकाई-1	भाषा और भाषा विज्ञान: भाषा की परिभाषा और अभिलक्षण, भाषा व्यवस्था और भाषा व्यवहार, भाषा संरचना।भाषा विज्ञान स्वरूप एवं व्याप्ति, अध्ययन की दिशाएं - वर्णनात्मक, ऐतिहासिक और तुलनातमक ।	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाई-2	स्वन प्रक्रिया: स्वन विज्ञान का स्वरूप और शाखाएं, वाक् अवयव और उनके कार्य, स्वन की अवधारणा और स्वनों का वर्गीकरण, स्वन गुण, स्वनिक परिवर्तन। स्वनिम विज्ञान का स्वरूप, स्वनिम की अवधारणा, स्वानिम के भेद।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
नवम्बर	इकाई-3	व्याकरण: रुप विज्ञान का स्वरूप और शाखाएं, रूपिम की अवधारणा और भेद: मुक्त आबद्ध, अर्थदर्शी, संबंध दर्शी, रूपिम भेद और प्रकार्य। वाक्य की अवधारणा, वाक्य के भेद, वाक्य विश्लेषण।	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी प्रायोगिक
दिसंबर	इकाई-4	अर्थ विज्ञान: अर्थ की अवधारणा, शब्द और अर्थ का संबंध, पर्यायता, अनेकार्थता, विलोमता, अर्थ परिवर्तन।	10	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग

Name of Teacher: डॉ.कृष्णा चटर्जी Class: M.A. II Semester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग-2) पाठ्यक्रम कोड MHN-204

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जून	इकाई-1	उपन्यास - गोदान - मुंशी प्रेमचंद	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
जुलाई	इकाई-2	उपन्यास - मैला आंचल - फणीश्वरनाथ रेणु	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अगस्त	इकाई-3	एकांकी - रंग सप्तक -विभु कुमार, डॉ. एस. जे. केकरे, डॉ. त्रिभुवननाथ शुक्ल 1.औरंगजेब की आखिरी रात - रामकुमार वर्मा 2.एक दिन - लक्ष्मीनारायण मिश्र 3.स्ट्राइक - भुवनेश्वर 4.तौलिए - उपेंद्रनाथ अश्क 5.मम्मी ठकुराइन - लक्ष्मीनारायण लाल	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
नवम्बर	इकाई-4	चरितात्मक कृति : - पथ के साथी : महादेवी वर्मा (केवल दो निबंध)- 1.निराला भाई 2. सुभद्रा	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

Teaching Plan

Academic Year: 2022-23 Name of Department: हिंदी विभाग

Name of Teacher: डॉ. कृष्णा चटर्जी Class: M.A. IV Semester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्न पत्र: प्रथम, भाषा विज्ञान (भाग - 2) पाठ्यक्रम कोड MHN-401

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	हिंदी की ऐतिहासिक पृष्ठभूमि - प्राचीन भारतीय आर्य भाषाएं - वैदिक तथा लौकिक संस्कृत और उनकी विशेषताएं । मध्यकालीन भारतीय आर्य भाषाएं - पाली, प्राकृत, शौरसेनी, अर्धमग्धी, मागधी, अपभ्रंश और उनकी विशेषताएं , आधुनिक भारतीय भाषाएं और उनका वर्गीकरण।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितंबर	इकाई-2	हिंदी का भौगोलिक विस्तार - हिंदी की उपभाषाएं, पश्चिमी हिंदी, पूर्वी हिंदी, राजस्थानी, बिहारी हिंदी तथा पहाड़ी हिंदी और उनकी बोलियां। पूर्वी हिंदी और पश्चिमी हिंदी की विशेषताएं।	05 03	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाई-3	हिंदी के विविध रूप - संपर्क भाषा, राष्ट्रभाषा, राजभाषा के रुप में हिंदी, माध्यम भाषा, संचार भाषा, हिंदी की संवैधानिक स्थिति।	07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
नवम्बर	इकाई-4	हिंदी में कंप्यूटर सुविधाएं - आंकड़ा संसाधन और शब्द संसाधन, वर्तनी - शोधक, मशीनी अनुवाद, हिंदी भाषा शिक्षण, देवनागरी लिपि : विशेषताएं और मानकीकरण।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan
Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ.कृष्णा चटर्जी .
Class:M.A.I Sem
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग - 1) (नाटक एवं कहानी)
पाठ्यक्रम कोड : MHN-104

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	नाटक: चंद्रगुप्त - जयशंकर प्रसाद	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. समस्या समाधान
फरवरी	इकाई-2	नाटक: आधे अधूरे - मोहन राकेश	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अक्टूबर	इकाई-3	निबन्ध - 1. चढ़ती उमर - बालकृष्ण भट्ट 2. कविता क्या है - अचार्य रामचन्द्र शुक्ल 3. भारतीय साहित्य की प्राण शक्ति - आचार्य हजारी प्रसाद द्विवेदी 4. जानि शरद ऋतु खंजन आए - रामवृक्ष बेनीपुरी 5. चंद्रमा मनसो जातः - विद्यानिवास मिश्र 6. वैष्णव की फिसलन - हरिशंकर परसाई	06 08	1.चाक और व्याख्यान विधि 2. समूह चर्चा 3. समस्या समाधान 4. सत्रीय कार्य और प्रश्नोत्तरी
नवम्बर	इकाई-4	कहानी: कथा परिदृश्य (संपादक डॉ. सतीश जनार्दन केकरे एवं प्रो. के. एन. झा) 1. उसने कहा था - चंद्रधर शर्मा गुलेरी 2. गुंडा - जयशंकर प्रसाद 3. कफन - प्रेमचंद 4. जाह्नवी - जैनेंद्र कुमार 5. कितने पाकिस्तान - कमलेश्वर 6. वापसी - उषा प्रियम्वदा	10 06	1.चाक और व्याख्यान विधि

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan
Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी
Class: M.A. IIISemester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र प्रथम : भाषा विज्ञान (भाग-1)
पाठ्यक्रम कोड MHN-301

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**

सितंबर	इकाई-1	भाषा और भाषा विज्ञान: भाषा की परिभाषा और अभिलक्षण, भाषा व्यवस्था और भाषा व्यवहार, भाषा संरचना।भाषा विज्ञान स्वरूप एवं व्यप्ति, अध्ययन की दिशाएं - वर्णनात्मक, ऐतिहासिक और तुलनातमक ।	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अक्टूबर	इकाई-2	स्वन प्रक्रिया: स्वन विज्ञान का स्वरूप और शाखाएं, वाक् अवयव और उनके कार्य, स्वन की अवधारणा और स्वनों का वर्गीकरण, स्वन गुण, स्वनिक परिवर्तन। स्वनिम विज्ञान का स्वरूप, स्वनिम की अवधारणा, स्वानिम के भेद।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम
नवम्बर	इकाई-3	व्याकरण: रुप विज्ञान का स्वरूप और शाखाएं, रूपिम की अवधारणा और भेद: मुक्त आबद्ध, अर्थदर्शी, संबंध दर्शी, रूपिम भेद और प्रकार्य। वाक्य की अवधारणा, वाक्य के भेद, वाक्य विश्लेषण।	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान
दिसंबर	इकाई-4	अर्थ विज्ञान: अर्थ की अवधारणा, शब्द और अर्थ का संबंध, पर्यायता, अनेकार्थता, विलोमता, अर्थ परिवर्तन।	10	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. समस्या समाधान 5. सत्रीय कार्य और प्रश्नोत्तरी

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan

Academic Year: 2023-24
Name of Department: हिंदी विभाग
Name of Teacher: डॉ.कृष्णा चटर्जी.
Class: M.A. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र: चतुर्थ, आधुनिक गद्य साहित्य (भाग-2)
पाठ्यक्रम कोड MHN-204

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**

जनवरी	इकाई-1	उपन्यास - गोदान - मुंशी प्रेमचंद	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
फरवरी	इकाई-2	उपन्यास - मैला आंचल - फणीश्वरनाथ रेणु	15	1.चाक और व्याख्यान विधि
मार्च	इकाई-3	एकांकी - रंग सप्तक -विभु कुमार, डॉ. एस. जे. केकरे, डॉ. त्रिभुवननाथ शुक्ल 1.औरंगजेब की आखिरी रात - रामकुमार वर्मा 2.एक दिन - लक्ष्मीनारायण मिश्र 3.स्ट्राइक - भुवनेश्वर 4.तौलिए - उपेंद्रनाथ अश्क 5.मम्मी ठकुराइन - लक्ष्मीनारायण लाल	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अप्रैल	इकाई-4	चरितात्मक कृति : - पथ के साथी : महादेवी वर्मा (केवल दो निबंध)- 1.निराला भाई 2. सुभद्रा	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan

Academic Year:. 2023-24 .
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. कृष्णा चटर्जी
Class: M.A. IV Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र: प्रथम, भाषा विज्ञान (भाग - 2)
पाठ्यक्रम कोड MHN-401

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**

अगस्त	इकाई-1	हिंदी की ऐतिहासिक पृष्ठभूमि - प्राचीन भारतीय आर्य भाषाएं - वैदिक तथा लौकिक संस्कृत और उनकी विशेषताएं । मध्यकालीन भारतीय आर्य भाषाएं - पाली, प्राकृत, शौरसेनी, अर्धमग्धी, मागधी, अपभ्रंश और उनकी विशेषताएं , आधुनिक भारतीय भाषाएं और उनका वर्गीकरण।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
सितंबर	इकाई-2	हिंदी का भौगोलिक विस्तार - हिंदी की उपभाषाएं, पश्चिमी हिंदी, पूर्वी हिंदी, राजस्थानी, बिहारी हिंदी तथा पहाड़ी हिंदी और उनकी बोलियां। पूर्वी हिंदी और पश्चिमी हिंदी की विशेषताएं।	05 03	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
अक्टूबर	इकाई-3	हिंदी के विविध रूप - संपर्क भाषा, राष्ट्रभाषा, राजभाषा के रुप में हिंदी, माध्यम भाषा, संचार भाषा, हिंदी की संवैधानिक स्थिति।	07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा
नवम्बर	इकाई-4	हिंदी में कंप्यूटर सुविधाएं - आंकड़ा संसाधन और शब्द संसाधन, वर्तनी - शोधक, मशीनी अनुवाद, हिंदी भाषा शिक्षण, देवनागरी लिपि : विशेषताएं और मानकीकरण।	03 04	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

प्राधयापक के हस्ताक्षर

विभागाध्यक्ष

Teaching Plan

Academic Year: 2022-23
Name of Department: हिंदी विभाग
Name of Teacher: डॉ.बलजीत कौर
Class: B.Sc. III (B5,B6)
Course Type: सैद्धांतिक Course Code/ Title: हिंदी भाषा
(संप्रेषण कौशल, हिंदी भाषा और सामान्य ज्ञान)
पाठ्यक्रम कोड FCH-03S

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(क) भारत माता : सुमित्रानंदन पंत (ख)कथन की शैलियां 1. विवरणात्मक शैली, 2. मूल्यांकनपरक शैली,3. व्याख्यात्मक शैली, 4. विचारात्मक शैली	06 06	व्याख्यान
सितंबर	इकाई-2	(क) सूखी बाली : उपेन्द्रनाथ अशक (ख) विभिन्न संरचनाएँ 1. विनम्रता सूचक संरचनाएँ,2 विधि सूचक संरचनाएँ,3. निषेध परक संरचनाएँ 4.कालबोधक संरचनाएँ, 5.स्थानबोधक संरचनाएँ,,6.दिशाबोधक संरचनाएँ,7. कार्य कारण सम्बन्ध संरचनाएँ,8. अनुक्रम	08	व्याख्यान
अक्टूबर	इकाई-3	(क) वसीयत:मालती जोशी (ख)कार्यालयीन पत्र और आलेख 1परिपत्र,2.आदेश,3.अधिसूचना,4ज्ञापन, 5. अनुस्मारक,6पृष्ठांकन	06 08	व्याख्यान
नवम्बर	इकाई-4	(अ)योग की शक्ति:हरिवंशराय बच्चन (ख)अनुवाद परिभाषा स्वरूप एवं महत्त्व 1.स्रोत भाषा और लक्ष्य भाषा 2. अच्छे अनुवाद की विशेषताएँ 3. अनुवाद प्रक्रिया, अनुवादक	10 06	व्याख्यान
दिसंबर	इकाई-5	(क) संस्कृति और राष्ट्रीय एकीकरण : योगेश अटल (ख) घटनाओं समारोहों आदि का प्रतिवेदन,विभिन्न प्रकार के निमंत्रण पत्र ।	06	व्याख्यान

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2021-22
Name of Department: हिंदी विभाग
Name of Teacher: डॉ.बलजीत कौर
Class: M.A. I Semester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र द्वितीय : प्राचीन एवं मध्यकालीन काव्य (भाग-1)
(रासो काव्य एवं निर्गुण भक्ति काव्य)
पाठ्यक्रम कोड MHN-102

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	चंदबरदाई पृथ्वीराज रासो (संपादक आचार्य हजारी प्रसाद द्विवेदी, डॉ. नामवर सिंह) रेवातट समय।	06 06	व्याख्यान
सितंबर	इकाई-2	विद्यापति -विद्यापति पदावली : रामवृक्ष बेनीपुरी (प्रारंभिक 25पद)	08	व्याख्यान
अक्टूबर	इकाई-3	कबीर ग्रंथावली: संपादक डॉ. श्यामसुंदर दास (100 साखियां तथा प्रारंभिक 25 पद) साखियां - गुरुदेव कौ अंग 1 से 20, सुमिरण कौ अंग 1 से 10, विरह कौ अंग 1 से 10, ग्यान विरह कौ अंग 1 से 10, परचा कौ अंग 1 से 10, रस कौ अंग 1 से 5. निहकर्मी पतिव्रता कौ अंग 1 से 10 चितावणी कौ अंग 1 से 10, माया कौ अंग 1 से 5, काल कौ अंग 1 से 10 ।	06 08	व्याख्यान प्रायोगिक
नवम्बर	इकाई-4	मलिक मोहम्मद जायसी : पद्मावत (संपादक आ. रामचन्द्र शुक्ल)। (नागमती विरह खण्ड एवं मानसरोदक खण्ड) रासो काव्य परंपरा, निर्गुण काव्य की ज्ञानाश्रयी एवं प्रेमाश्रयी शाखा : अवधारणा एवं व्यवहार	10	व्याख्यान

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2021-22
Name of Department: हिंदी विभाग
Name of Teacher: डॉ.बलजीत कौर

Class: M.A. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्राचीन एवं मध्यकालीन काव्य (भाग-2)
(सगुण भक्ति काव्य एवं रीति काव्य)
पाठ्यक्रम कोड MHN-202

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सूरदास - भ्रमरगीत सार (संपादक आचार्य रामचंद्र शुक्ल) (50 पद)। पद संख्या 1 से 10, 21 से 30, 51 से 60, 61 से 70, 81 से 90 तक (50 पद)।	08	व्याख्यन
फरवरी	इकाई-2	तुलसीदास - रामचरित मानस (सुंदरकाण्ड) गीता प्रेस गोरखपुर।	15	व्याख्यन
मार्च	इकाई-3	बिहारी - बिहारी रत्नाकर, संपादक जगन्नाथ दास रत्नाकर (प्रारंभिक 100 दोहे)।	08 07	व्याख्यन
अप्रैल	इकाई-4	घनानंद - धनानंद कवित, संपादक विश्वनाथ प्रसाद मिश्र (प्रारंभिक 25 छंद) मध्यकालीन काव्य की ऐतिहासिक पृष्ठभूमि।	05 05	व्याख्यन

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2021-22
Name of Department: हिंदी विभाग
Name of Teacher: डॉ. बलजीत कौर

Class: M.A. III Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र पंचम पत्रकारिता प्रशिक्षण भाग 1
(पत्रकारिता का स्वरूप)
पाठ्यक्रम कोड MHN-305 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(1) पत्रकारिता का स्वरूप और प्रमुख प्रकार । (2) विश्व पत्रकारिता का उदय भारत में पत्रकारिता का आरम्भ ।	08	व्याख्यान
सितंबर	इकाई-2	(1)हिन्दी पत्रकारिता का उद्‌भव और विकास। (2)पत्रकारिता का प्रबंधन प्रशासनिक व्यवस्था, बिक्री तथा वितरण व्यवस्था ।	05 03	व्याख्यान
अक्टूबर	इकाई-3	(1) समाचार पत्रकारिता के मूल तत्व समाचार संकलन तथा लेखन के मुख्य आयाम । (2) सम्पादन कला के सामान्य सिद्धांत शीर्षकीकरण, पृष्ठ-विन्यास, आमुख और समाचार पत्र की प्रस्तुति प्रक्रिया। (3)समाचार पत्रों के विभिन्न स्तम्भों की योजना ।	07	व्याख्यान
नवम्बर	इकाई-4	(1) संवाददाता की अर्हता श्रेणी एवं कार्य पद्धति । (2) पत्रकारिता से संबंधित लेखन सम्पादकीय फीचर रिपोर्ताज साक्षात्कार, खोजी समाचार पाठ्यक्रम अधिगम परिणाम अनुवर्तन (फॉलोअप) की प्रविधि।	03 04	व्याख्यान

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2021-22
Name of Department: हिंदी विभाग

Name of Teacher: डॉ. बलजीत कौर
Class: M.A. IV Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र पंचम पत्रकारिता प्रशिक्षण भाग-2
(इलेक्ट्रॉनिक मीडिया एवं प्रिंट मीडिया)
पाठ्यक्रम कोड MHN-305 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	इलेक्ट्रॉनिक मीडिया की पत्रकारिता रेडियो, टी.वी, वीडियो, केबल, मल्टीमीडिया और इन्टरनेट की पत्रकारिता। प्रिंट पत्रकारिता और मुद्रण कला, प्रूफ संशोधन, ले-आऊट तथा पृष्ठ-सज्जा।	06	व्याख्यान
फरवरी	इकाई-2	भारतीय संविधान में प्रदत्त मौलिक अधिकार, सूचना का अधिकार एवं मानवाधिकार। मुक्त प्रेस की अवधारणा।	02 02 02 02	व्याख्यान
मार्च	इकाई-3	लोक सम्पर्क तथा विज्ञापन। प्रसार भारती तथा सूचना प्रौद्योगिकी।	06 03 02	व्याख्यान
अप्रैल	इकाई-4	प्रेस सबंधी कानून तथा आचार संहिता। प्रजातान्त्रिक व्यवस्था में चतुर्थ स्तंभ के रूप में पत्रकारिता का दायित्व।	04 04	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2022-23
Name of Department: हिंदी विभाग

Name of Teacher: डॉ.बलजीत कौर
Class: M.A. I Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय : प्राचीन एवं मध्यकालीन काव्य (भाग-1)
(रासो काव्य एवं निर्गुण भक्ति काव्य)
पाठ्यक्रम कोड MHN-102

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	चंदबरदाई पृथ्वीराज रासो (संपादक आचार्य हजारी प्रसाद द्विवेदी, डॉ. नामवर सिंह) रेवातट समय।	06 06	व्याख्यान
सितंबर	इकाई-2	विद्यापति -विद्यापति पदावली : रामवृक्ष बेनीपुरी (प्रारंभिक 25पद)	08	व्याख्यान
अक्टूबर	इकाई-3	कबीर ग्रंथावली: संपादक डॉ. श्यामसुंदर दास (100 साखियां तथा प्रारंभिक 25 पद) साखियां - गुरुदेव कौ अंग 1 से 20, सुमिरण कौ अंग 1 से 10, विरह कौ अंग 1 से 10, ग्यान विरह कौ अंग 1 से 10, परचा कौ अंग 1 से 10, रस कौ अंग 1 से 5. निहकर्मी पतिव्रता कौ अंग 1 से 10 चितावणी कौ अंग 1 से 10, माया कौ अंग 1 से 5, काल कौ अंग 1 से 10।	06 08	व्याख्यान प्रायोगिक
नवम्बर	इकाई-4	मलिक मोहम्मद जायसी : पद्मावत (संपादक आ. रामचन्द्र शुक्ल)। (नागमती विरह खण्ड एवं मानसरोदक खण्ड) रासो काव्य परंपरा, निर्गुण काव्य की ज्ञानाश्रयी एवं प्रेमाश्रयी शाखा : अवधारणा एवं व्यवहार	10	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2022-23
Name of Department: हिंदी विभाग

Name of Teacher: डॉ.बलजीत कौर
Class: M.A. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्राचीन एवं मध्यकालीन काव्य (भाग-2)
(सगुण भक्ति काव्य एवं रीति काव्य)
पाठ्यक्रम कोड MHN-202

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सूरदास - भ्रमरगीत सार (संपादक आचार्य रामचंद्र शुक्ल) (50 पद)। पद संख्या 1 से 10, 21 से 30, 51 से 60, 61 से 70, 81 से 90 तक (50 पद)।	08	व्याख्यन
फरवरी	इकाई-2	तुलसीदास - रामचरित मानस (सुंदरकाण्ड) गीता प्रेस गोरखपुर।	15	व्याख्यन
मार्च	इकाई-3	बिहारी - बिहारी रत्नाकर, संपादक जगन्नाथ दास रत्नाकर (प्रारंभिक 100 दोहे)।	08 07	व्याख्यन
अप्रैल	इकाई-4	घनानंद - धनानंद कवित, संपादक विश्वनाथ प्रसाद मिश्र (प्रारंभिक 25 छंद) मध्यकालीन काव्य की ऐतिहासिक पृष्ठभूमि।	05 05	व्याख्यन

शिक्षक के हस्ताक्षर

Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2022-23

Name of Department: हिंदी विभाग
Name of Teacher: डॉ. बलजीत कौर
Class: M.A. III Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र पंचम पत्रकारिता प्रशिक्षण भाग 1 (पत्रकारिता का स्वरूप)
पाठ्यक्रम कोड MHN-305 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(1) पत्रकारिता का स्वरूप और प्रमुख प्रकार। (2) विश्व पत्रकारिता का उदय भारत में पत्रकारिता का आरम्भ।	08	व्याख्यान
सितंबर	इकाई-2	(1)हिन्दी पत्रकारिता का उद्भव और विकास। (2)पत्रकारिता का प्रबंधन प्रशासनिक व्यवस्था, बिक्री तथा वितरण व्यवस्था।	05 03	व्याख्यान
अक्टूबर	इकाई-3	(1) समाचार पत्रकारिता के मूल तत्व समाचार संकलन तथा लेखन के मुख्य आयाम। (2) सम्पादन कला के सामान्य सिद्धांत शीर्षकीकरण, पृष्ठ-विन्यास, आमुख और समाचार पत्र की प्रस्तुति प्रक्रिया। (3)समाचार पत्रों के विभिन्न स्तम्भों की योजना।	07	व्याख्यान
नवम्बर	इकाई-4	(1) संवाददाता की अर्हता श्रेणी एवं कार्य पद्धति। (2) पत्रकारिता से संबंधित लेखन सम्पादकीय फीचर रिपोर्ताज साक्षात्कार, खोजी समाचार पाठ्यक्रम अधिगम परिणाम अनुवर्तन (फॉलोअप) की प्रविधि।	03 04	व्याख्यान

शिक्षक के हस्ताक्षर

Principal
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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan
Academic Year: 2022-23

Name of Department: हिंदी विभाग
Name of Teacher: डॉ. बलजीत कौर
Class: M.A. IV Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र पंचम पत्रकारिता प्रशिक्षण भाग-2 (इलेक्ट्रॉनिक मीडिया एवं प्रिंट मीडिया)
पाठ्यक्रम कोड MHN-305 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	इलेक्ट्रॉनिक मीडिया की पत्रकारिता रेडियो, टी.वी, वीडियो, केबल, मल्टीमीडिया और इन्टरनेट की पत्रकारिता। प्रिंट पत्रकारिता और मुद्रण कला, प्रूफ संशोधन, ले-आऊट तथा पृष्ठ-सज्जा।	06	व्याख्यान
फरवरी	इकाई-2	भारतीय संविधान में प्रदत्त मौलिक अधिकार, सूचना का अधिकार एवं मानवाधिकार। मुक्त प्रेस की अवधारणा।	02 02 02 02	व्याख्यान
मार्च	इकाई-3	लोक सम्पर्क तथा विज्ञापन। प्रसार भारती तथा सूचना प्रौद्योगिकी।	06 03 02	व्याख्यान
अप्रैल	इकाई-4	प्रेस सबंधी कानून तथा आचार संहिता। प्रजातान्त्रिक व्यवस्था में चतुर्थ स्तंभ के रूप में पत्रकारिता का दायित्व।	04 04	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Principal
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Teaching Plan

Academic Year: 2023-24

Name of Department: हिंदी विभाग
Name of Teacher: डॉ.बलजीत कौर
Class: M.A. I Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय : प्राचीन एवं मध्यकालीन काव्य (भाग-1) (रासो काव्य एवं निर्गुण भक्ति काव्य)
पाठ्यक्रम कोड MHN-102

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	चंदबरदाई पृथ्वीराज रासो (संपादक आचार्य हजारी प्रसाद द्विवेदी, डॉ. नामवर सिंह) रेवातट समय।	06 06	व्याख्यान
सितंबर	इकाई-2	विद्यापति -विद्यापति पदावली : रामवृक्ष बेनीपुरी (प्रारंभिक 25पद)	08	व्याख्यान
अक्टूबर	इकाई-3	कबीर ग्रंथावली: संपादक डॉ. श्यामसुंदर दास (100 साखियां तथा प्रारंभिक 25 पद) साखियां - गुरुदेव कौ अंग 1 से 20, सुमिरण कौ अंग 1 से 10, विरह कौ अंग 1 से 10, ग्यान विरह कौ अंग 1 से 10, परचा कौ अंग 1 से 10, रस कौ अंग 1 से 5. निहकर्मी पतिव्रता कौ अंग 1 से 10 चितावणी कौ अंग 1 से 10, माया कौ अंग 1 से 5, काल कौ अंग 1 से 10।	06 08	व्याख्यान
नवम्बर	इकाई-4	मलिक मोहम्मद जायसी : पद्मावत (संपादक आ. रामचन्द्र शुक्ल)। (नागमती विरह खण्ड एवं मानसरोदक खण्ड) रासो [illegible] निर्गुण काव्य की ज्ञानाश्रयी एवं प्रेमाश्रयी [illegible]रणा एवं व्यवहार	10	व्याख्यान

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शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24

Name of Department: हिंदी विभाग
Name of Teacher: डॉ.बलजीत कौर
Class: M.A. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्राचीन एवं मध्यकालीन काव्य (भाग-2) (सगुण भक्ति काव्य एवं रीति काव्य)
पाठ्यक्रम कोड MHN-202

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सूरदास - भ्रमरगीत सार (संपादक आचार्य रामचंद्र शुक्ल) (50 पद)। पद संख्या 1 से 10, 21 से 30, 51 से 60, 61 से 70, 81 से 90 तक (50 पद)।	08	व्याख्यन
फरवरी	इकाई-2	तुलसीदास - रामचरित मानस (सुंदरकाण्ड) गीता प्रेस गोरखपुर।	15	व्याख्यन
मार्च	इकाई-3	बिहारी - बिहारी रत्नाकर, संपादक जगन्नाथ दास रत्नाकर (प्रारंभिक 100 दोहे)	08 07	व्याख्यन
अप्रैल	इकाई-4	घनानंद - धनानंद कवित, संपादक विश्वनाथ प्रसाद मिश्र (प्रारंभिक 25 छंद) मध्यकालीन काव्य की ऐतिहासिक पृष्ठभूमि।	05 05	व्याख्यन

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24

Name of Department: हिंदी विभाग
Name of Teacher: डॉ. बलजीत कौर
Class: M.A. III Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र पंचम पत्रकारिता प्रशिक्षण भाग 1 (पत्रकारिता का स्वरूप)
पाठ्यक्रम कोड MHN-305 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	(1) पत्रकारिता का स्वरूप और प्रमुख प्रकार। (2) विश्व पत्रकारिता का उदय भारत में पत्रकारिता का आरम्भ।	08	व्याख्यान
सितंबर	इकाई-2	(1)हिन्दी पत्रकारिता का उद्भव और विकास। (2)पत्रकारिता का प्रबंधन प्रशासनिक व्यवस्था, बिक्री तथा वितरण व्यवस्था।	05 03	व्याख्यान
अक्टूबर	इकाई-3	(1) समाचार पत्रकारिता के मूल तत्व समाचार संकलन तथा लेखन के मुख्य आयाम। (2) सम्पादन कला के सामान्य सिद्धांत शीर्षकीकरण, पृष्ठ-विन्यास, आमुख और समाचार पत्र की प्रस्तुति प्रक्रिया। (3)समाचार पत्रों के विभिन्न स्तम्भों की योजना।	07	व्याख्यान
नवम्बर	इकाई-4	(1) संवाददाता की अर्हता श्रेणी एवं कार्य पद्धति। (2) पत्रकारिता से संबंधित लेखन सम्पादकीय फीचर रिपोर्ताज साक्षात्कार, खोजी समाचार पाठ्यक्रम अधिगम परिणाम अनुवर्तन (फॉलोअप) की प्रविधि।	03 04	व्याख्यान

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023-24

Name of Department: हिंदी विभाग
Name of Teacher: डॉ. बलजीत कौर
Class: M.A. IV Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्न पत्र पंचम पत्रकारिता प्रशिक्षण भाग-2 (इलेक्ट्रॉनिक मीडिया एवं प्रिंट मीडिया)
पाठ्यक्रम कोड MHN-305 A

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	इलेक्ट्रॉनिक मीडिया की पत्रकारिता रेडियो, टी.वी, वीडियो, केबल, मल्टीमीडिया और इन्टरनेट की पत्रकारिता। प्रिंट पत्रकारिता और मुद्रण कला, प्रूफ संशोधन, ले-आऊट तथा पृष्ठ-सज्जा।	06	व्याख्यान
फरवरी	इकाई-2	भारतीय संविधान में प्रदत्त मौलिक अधिकार, सूचना का अधिकार एवं मानवाधिकार। मुक्त प्रेस की अवधारणा।	02 02 02 02	व्याख्यान
मार्च	इकाई-3	लोक सम्पर्क तथा विज्ञापन। प्रसार भारती तथा सूचना प्रौद्योगिकी।	06 03 02	व्याख्यान
अप्रैल	इकाई-4	प्रेस सबंधी कानून तथा आचार संहिता। प्रजातान्त्रिक व्यवस्था में चतुर्थ स्तंभ के रूप में पत्रकारिता का दायित्व।	04 04	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Principal
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Teaching Plan
Academic Year: 2023 -24

Name of Department : हिंदी विभाग
Name of Teacher : **Dr. Rajnish Umrey।**
Class: B.Com. I Sem.\B.Sc.II sem : **Course Type** : सैद्धांतिक
Course Code/ Title: प्रश्नपत्र प्रथम, AEC, हिंदी भाषा
पाठ्यक्रम कोड **BHN-05**

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त /सितंबर	इकाइ-1	bdkÃ 1 % ¼d½ 'kCn&fopkj % ¼1½ 'kCnksa dk oxÊdj.k & 1- vFkZ ds vkèkkj ij] 2-ifjorZu ds vkèkkj ij 3- O;qRifÙk ds vkèkkj ij] 4- mRifÙk ds vkèkkj ij ¼2½ 'kCn jpuk % milxZ] çR;;] lafèk vkSj lekl ¼k½ Lusg fu>Zj cg x;k& ia lw;Zdkar f=ikBh fujkyk	06 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. समस्या समाधान 5.सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर/ नवम्बर	इकाइ-2	bdkÃ 2 % ¼d½ 'kCnksa dk O;kogkfjd Kku & mukFkZd] i;kZ;okph] vusdkFkÊ] lekukFkÊ] leJqfr ewyd] foijkFkÊ] vusd 'kCnksa ds fy, ,d 'kCn ¼k½ vHkh rd ckfj'k ugÈ gqÃ & fouksn dqekj 'kqDy	08	1. व्याख्यान विधि 2. गूगल क्लास रूम 3. समूह चर्चा 4. समस्या समाधान 5. सत्रीय कार्य और प्रश्नोत्तरी
दिसंबर	इकाइ-3	bdkÃ 3 % ¼d½ fodkjh 'kCn & laKk] loZuke] fo'ks"k.k fØ;k] okP; ¼k½ lok lsj xsagw & çsepan	06 08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम
जनवरी	इकाइ-4	bdkÃ 4 % ¼d½ v'kqf);kj ,oa v'kqf) 'kksèku & Loj lacaèkh] O;atu lacaèkh] laKk lacaèkh] loZuke lacaèkh] fo'ks"k.k lacaèkh] fØ;k lacaèkh] okP; lacaèkh ¼k½ nks ukd okys yksx & gfj'kadj ijlkÃ	10 06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
फरवरी/ मार्च	इकाइ-5	bdkÃ 5 % ¼d½ eqgkojsa ,oa dgkorsa& vFkZ] fo'ks"krk,a] eqgkojs ,oa dgkorksa esa varj] çpfyr eqgkojs & vFkZ ,oa ç;ksx] dgkorsa vkSj mldk ç;ksx ¼k½ ?kqeôM+ 'kkL= & jkgqy lka—R;k;u	06	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023 - 24

Name of Department: हिंदी विभाग

Name of Teacher **Dr. Rajnish Umrey**।

Class: M.A. I Semester

Course Type: सैद्धांतिक Course Code/ Title: प्रश्नपत्र द्वितीय : प्राचीन एवं मध्यकालीन काव्य (भाग-1)

(रासो काव्य एवं निर्गुण भक्ति काव्य)

पाठ्यक्रम कोड MHN-102

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाई-1	चंदबरदाई पृथ्वीराज रासो (संपादक आचार्य हजारी प्रसाद द्विवेदी, डॉ. नामवर सिंह) रेवातट समय।	06 06	व्याख्यान
सितंबर	इकाई-2	विद्यापति -विद्यापति पदावली : रामवृक्ष बेनीपुरी (प्रारंभिक 25पद)	08	व्याख्यान
अक्टूबर	इकाई-3	कबीर ग्रंथावली: संपादक डॉ. श्यामसुंदर दास (100 साखियां तथा प्रारंभिक 25 पद) साखियां - गुरुदेव कौ अंग 1 से 20, सुमिरण कौ अंग 1 से 10, विरह कौ अंग 1 से 10, ग्यान विरह कौ अंग 1 से 10, परचा कौ अंग 1 से 10, रस कौ अंग 1 से 5. निहकर्मी पतिव्रता कौ अंग 1 से 10 चितावणी कौ अंग 1 से 10, माया कौ अंग 1 से 5, काल कौ अंग 1 से 10 ।	06 08	व्याख्यान प्रायोगिक
नवम्बर	इकाई-4	मलिक मोहम्मद जायसी : पद्मावत (संपादक आ. रामचन्द्र शुक्ल)। (नागमती विरह खण्ड एवं मानसरोदक खण्ड) रासो काव्य परंपरा, निर्गुण काव्य की ज्ञानाश्रयी एवं प्रेमाश्रयी शाखा : अवधारणा एवं व्यवहार	10	व्याख्यान

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विभागाध्यक्ष के हस्ताक्षर

Teaching Plan

Academic Year: 2023 -24
Name of Department: हिंदी विभाग
Name of Teacher: **Dr. Rajnish Umrey**।
Class: M.A. II Semester
Course Type: सैद्धांतिक
Course Code/ Title: प्रश्नपत्र द्वितीय प्राचीन एवं मध्यकालीन काव्य (भाग-2)
(सगुण भक्ति काव्य एवं रीति काव्य)
पाठ्यक्रम कोड MHN-202

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	सूरदास - भ्रमरगीत सार (संपादक आचार्य रामचंद्र शुक्ल) (50 पद)। पद संख्या 1 से 10, 21 से 30, 51 से 60, 61 से 70, 81 से 90 तक (50 पद)।	08	व्याख्यन
फरवरी	इकाई-2	तुलसीदास - रामचरित मानस (सुंदरकाण्ड) गीता प्रेस गोरखपुर।	15	व्याख्यन
मार्च	इकाई-3	बिहारी - बिहारी रत्नाकर, संपादक जगन्नाथ दास रत्नाकर (प्रारंभिक 100 दोहे)।	08 07	व्याख्यन
अप्रैल	इकाई-4	घनानंद - धनानंद कवित, संपादक विश्वनाथ प्रसाद मिश्र (प्रारंभिक 25 छंद) मध्यकालीन काव्य की ऐतिहासिक पृष्ठभूमि।	05 05	व्याख्यन

शिक्षक के हस्ताक्षर



प्राचार्य के हस्ताक्षर

Teaching Plan
Academic Year : 2023-24
Name of Department : हिंदी विभाग
Name of Teacher : Dr. Rajnish Umrey
Class: M.A.III Semester
Course Type : सैद्धांतिक
Course Code/ Title: भारतीय साहित्य भाग1

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
अगस्त	इकाइ-1	भारतीय साहित्य का स्वरूप - भारत की विविध भाषाएँ, मास्तीय भाषाओं का उदभवकाल एवं भाषा परिवार सांस्कृतिक विविधता, भारतीय साहित्य की अवधारणा मूलभूत एकता और विविधता भारतीय साहित्य में समानता और एकता के तत्व भारतीय साहित्य में विविधता और उसके लक्षण। भारतीय साहित्य के अध्ययन की समस्याएँ बहुभाविकता तथा भाषा-परिवारों की विविधता, बहुसांस्कृतिकता	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
सितम्बर	इकाइ-2	विश्व साहित्यों के समग्र इतिहास के अध्ययन का अमाद भारतीय भाषाओं में अतवाद तथा अनुवाद की अपर्याप्तता, भारतीय साहित्य के समय आलोचना शारत्र का अभार साहित्येतिहासों की बहुलता तमा काल-विभाजन की समस्या। विविध विचारधाराएं तथा इतिहास-दृष्टियी। भारतीय साहित्य में आज के भारत का बिम्ब - क्लासिकल साहित्य की प्रासंगिकता भारतीय नवजागरण और आधुनिक चेतना भारतीय साहित्य पर नवजागरण और आधुनिकता का प्रभाव यथार्थवाद और भारतीय भाषाओं का कथा-साहित्य आधुनिक काव्य और आधुनिकतावादी काव्य स्त्री-विमर्श और दलित चेतना। भारतीयता का समाजशास्त्र राष्ट्र (जाति) और राष्ट्रीयता (जातीयता) भारतीयता की अवधारणा भारतीयर्ता का समाज शास्त्रीय स्वरूप जातीय चेतना जनपदीय चेतना धार्मिक चेतना वैश्विक चेतना, उदारता एवं ग्रहण शीलता कौटुम्बिकता, सामुदायिक बोध, सांस्कृतिक एवं जयाय समन्वय (बहुभाषिक, बहुजातीय	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
अक्टूबर	इकाइ-3	बहुसांस्कृतेक राष्ट्रीयता)। हिन्दी साहित्य में भारतीय मूल्यों की अभिव्यक्ति -मूल्यों की अवधारणा मानवीय मूल्य भारतीय मूल्य-प्रणाली साहित्यिक मूल्य आदिकालीन हिन्दी साहित्य में भारतीय मूल्य मध्यकालीन हिन्दी साहित्य में भारतीय मूल्य आधुनिक हिंदी साहित्य में भारतीय मूल्य।	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान
नवंबर	इकाइ-4	उपन्यास आग्नेगभ (बंगला) महाश्वेता देवी	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

Teaching Plan
Academic Year : 2023-24

Name of Department : हिंदी विभाग
Name of Teacher : Dr. Rajnish Umrey
Class: M.A.IV Semester
Course Type : सैद्धांतिक
Course Code/ Title: भारतीय साहित्य भाग 2

Month / Week	Unit/ Title	Topic of Lecture	**No of lecturer**	**Mode of Delivery**
जनवरी	इकाई-1	पाश्चिमोत्तर भाषा वर्ग मराठी के साहित्य तथा साहित्येतिहास का अध्ययन - महाराष्ट्र की संकल्पना, मराठी की उत्पत्ति और विकास। मराठी साहित्य तथा उसका इतिहास प्राचीन काल यादव काल, बहमनी काल, मराठा काल, पेशवा काल। आधुनिक काल आधुनिक मराठी काव्य, आधुनिक मराठी गद्य-साहित्य।	08	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
फरवरी	इकाई-2	हिन्दी एवं मराठी भाषा का तुलनात्मक अध्ययन - हिन्दी और मराठी का निर्गुण काव्य, हिन्दी और मराठी का वैष्णव साहित्य (कृष्ण-काव्य), हिन्दी और मराठी साहित्य पर आधुनिक चेतना और नवजागरण का प्रभाव यथार्थवादी चेतना और उपन्यास, स्वच्छंदतावादी और प्रगतिशील काव्य, हिन्दी एवं मराठी दलित साहित्य, आधुनिकता बोध और प्रयोगवादी काव्य का तुलनात्मक अध्ययन।	15	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान 6. सत्रीय कार्य और प्रश्नोत्तरी
मार्च	इकाई-3	कविता संग्रह कोच्चे के दरख्त (मलयालम के. जी. शंकर पिल्लै) ।	08 07	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा 4. गूगल क्लास रूम 5. समस्या समाधान
अप्रैल	इकाई-4	नाटक हयवदन (गिरीश कर्नाड) ।	05 05	1.चाक और व्याख्यान विधि 2. कक्षा पलटें 3. समूह चर्चा

शिक्षक के हस्ताक्षर

अध्यक्ष के हस्ताक्षर

Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

Teaching plan
Academic year: 2023-24

Name of Department : हिंदी विभाग **Name of Teacher: Dr. Rajnish Umrey**

Class : B.Sc. lll sem Course Type: Theory/ Practical: सैद्धांतिक
Course Code/ _ Title: Evs(पर्यावरण)

Month /Week	Unit / Title	Topic of lecture	No. Of lecture	Method/Mode of delivery
अगस्त	इकाई 1	पर्यावरण अध्ययन: I)परिभाषा, प्रकृति ,विषय क्षेत्र तथा महत्व ii)प्राकृतिक संसाधन :वन iii)प्राकृतिक संसाधन : जल iv)प्राकृतिक संसाधन : खनिज व खाद्य संसाधन v)प्राकृतिक संसाधन : ऊर्जा व भूमि संसाधन	7	व्याख्यान
सितंबर	इकाई 2	पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण	6	व्याख्यान
अक्टूबर	इकाई 3, इकाई 4	पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण	10	व्याख्यान
नवंबर	इकाई 5	पारिस्थितिक तंत्र i)पारिस्थितिक तंत्रों का अध्ययन ii)जैव विविधता एवं संरक्षण	7	व्याख्यान

शिक्षक के हस्ताक्षर

विभागाध्यक्ष के हस्ताक्षर

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Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

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GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG

DEPARTMENT OF BOTANY

TEACHING PLAN

2023-24

Name of Teacher - Dr. Ranjana Shrivastava **Class - M. Sc. III Semester**

Course type theory - **Course Code - MBO304**

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	**I**	• Methods of cleaning, sterilization media preparation. • Enrichment and isolation methods, pure culture techniques. • Structure Principles and function of Autoclave, oven , incubator & Leminar. • Microscopy - Light microscope, Bright field microscope, Dark-field microscope, Phase-Contrast, electron microscope.	September – October 23	Online Classes/ Assignment/ pdf/ Unit test
12	**II**	• Clay humus microbe interaction. • Plant microbe interactiuion. • Animal-Microbe interaction • Microbe –microbe interaction		Online Classes/ Assignment/ pdf/ Unit test
12	**III**	• Nutritional types - Autotrophs, Heterotrophs, Phototrophs, Chemotrophs • Physiology, molecular, adaptation and application of: Acidophiles, Alkalophiles, Halophiles, Barophiles, Thermophiles, Hyperthermophiles .	Novmber - Decenber23	Online Classes/ Assignment/ pdf/ Unit test
12	**IV**	• Soil quality, Physico-chemical properties of soil, Microbial balance. • Rhizosphere and rhizoplane microorganisms. • Organic matter decomposition: • Biogeochemical cycles:- Carbon ,Nitrogen, Phosphorus and Sulphur cycles.	December – 23 January 24	Online Classes/ Assignment/ pdf/ Unit test

Sign of Teacher - Sign of HOD- Sign of Principal-

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG

DEPARTMENT OF BOTANY

TEACHING PLAN

2023-2024

Name of Teacher - Dr. Ranjana Shrivastava **Class - M. Sc. IV Semester**

Course type theory - **Course Code - MBO404**

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	**I**	• Water Microbiology- Types of water Atmosphere, Surface stored and ground. • Water microorganism- Marine and fresh water microbiology. • Microbial analysis of water – sanitary test and purification of water.	1 January-31 January	Blackboard teaching Assignment/pdf/ Class test/ Ppt/ Field work
12	**II**	**[Air Microbiology]** • Indoor and outdoor aeromicrobiology: • Aeroallergens and aero allergy • Assessment of air • Phylloplanemicroflora.	1 Fabruary-28Fabruary	Blackboard teaching Assignment/pdf/ Class test/ Ppt/ Field work
12	**III**	**Environmental Microbiology]** • **Waste as a resource:** Organic compost, process of composting, factors affecting role of compost). • **Sewage treatment**: microorganisms, BOD ,COD, Small-scale & large-scale sewage treatment. • **Biodegradation** • **Biodeterioration** of materials ,Microbial plastics.	1 March-30 March	Blackboard teaching Assignment/pdf/ Class test/ Ppt/ Field work
12	**IV**	**[Plant Diseases -** • **Fungal diseases** - Downy mildew of peas and Crucifers, Powdery mildews of Sisam, rusts diseases of Wheat and Gram, smuts diseases of Wheat and Barly, wilt diseases of Arhar}. • **Viral diseases** - Leaf curl, Mosaic &Bunchy top of banana • **Bacterial disease** - Citrus canker, Bacterial blight of rice, Scab of potato, Angular leaf spot of cotton, Leaf spot of mango • **{Animal Disease} -** • **Medical Microbiology-** Pathogen and symptoms**]** • **Bacterial disease**: Diphtheria, Pertussis, Tuberculosis, Pneumonia,Meningitis} • **Viral disease**: Small pox, Chicken pox, Measles, Mumps, Influenza • **Fungal disease**: Aspergillosis, Blastomycosis, Candidiasis, Cryptococcosis.	1April-15April	Blackboard teaching Assignment/pdf/ Class test/ Ppt/ Field work

Sign of Teacher - Sign of HOD- Sign of Principal-

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG

DEPARTMENT OF BOTANY

TEACHING PLAN

2023-24

Class - M.Sc. I Sem Paper I Name of Paper: Cell Biology

Name of Teacher Dr. G. S. Thakur

Month	Unit	Syllabus/Topic	No. of Lecture	Method of teaching
Aug, Sep 23	UNIT-I	The dynamic cells, Structural organization of the plant cell, specialized plant cell type chemical foundation, biochemical energetics. **Cell wall**: Structure, functions, biogenesis, growth. **Plasma membrane**: structure, models, functions, Ion carriers, channels and pumps, receptors.	12	Chalk&Talk/PPT/ PDF/Assignment /Seminar, Q/A
Oct 23	UNIT-II	**Chloroplast**: Structure, functions, genome organization. **Mitochondria**: Structure, genome organization, biogenesis. **Ribosome**: Structure and functions. **Plant Vacuole**: Structure, Functions.	10	Chalk &Talk/ PPT/ PDF /Assignment /Seminar, Q/A
Oct23	UNIT-III	**Nucleus**: Structure, nuclear envelope, nuclear pore complex, nucleolus. **Cell cycle**: Control mechanisms, role of cyclin and cyclin dependent kinases. Retinoblastoma and E2F proteins **Apoptosis**: Programmed cell death, Mechanism.	10	Chalk &Talk/ PPT/ PDF/ Assignment /Seminar, Q/A
Nov/Dec 23	UNIT-IV	**Cell shape and motility:** The cytoskeleton; organization, role of microtubules, microfilaments; motor protein; implications in cilia, flagella and chromosome movement. **Other cellular organelles**: Structure and functions of Lysosome, Peroxysome, Golgi apparatus, Endoplasmic reticulum. **Techniques in cell biology:** *in situ* hybridization to locate transcripts in cell types FISH, GISH., Flow cytometry.	13	Chalk &Talk/ PPT/ PDF/ Assignment /Seminar, Q/A

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG

DEPARTMENT OF BOTANY

TEACHING PLAN

2023-24

Class - M.Sc. II Sem. Paper III Name of Paper: Molecular Biology

Name of Teacher Dr. G. S. Thakur

Month	Unit	Syllabus/Topic	No. of Lecture	Method of teaching
Jan 24	UNIT-I	**DNA**: structure - A, B and Z forms, replication, RNA editing, RNA Splicing **tRNA**: Structure and function. **Protein Synthesis:** mechanism of protein synthesis, transcription in prokaryotes & eukaryotes, translation.	11	Chalk & Talk, Chart, Notes, PPT/ PDF/Assignment /Seminar, Q. paper Solve
Feb 24	UNIT-II	**Proteins sorting**: targeting of proteins to organelles. **Mutations**: spontaneous and induced mutations, physical and chemical mutagens, Molecular basis of gene mutations. Site directed mutagenesis. Robertsonian translocation, B-A translocation.	12	Chalk & Talk, Chart, Notes PPT/ PDF/Assignment /Seminar, Q. paper Solve
March 24	UNIT-III	**Gene structure and expression**: fine structure of gene, Cis-trans test, fine structure analysis of eukaryotes, introns and their significance. Regulation of gene expression in prokaryotes (operon circuit) and eukaryotes (Britten-Davidson model). **Molecular Genetic mapping**: Genetic markers: RFLP, RAPD, AFLP, VNTRs.	11	Chalk & Talk, Chart, Notes, PPT/ PDF/Assignment /Seminar, Q. paper Solve
April/May 2024	UNIT-IV	**Molecular cytogenetics**: Nuclear DNA content; C - value paradox, cot curve and its significations, Restrictions mapping, concept and techniques **Alien genes transfer through chromosomes manipulations**: transfer of whole genomes from Wheat, Brassica, Arachis; transfer of individual chromosomes and chromosomes segments; Inbreeding and heterosis.	13	Chalk & Talk, Chart, Notes, PPT/ PDF/Assignment /Seminar, Q. paper Solve

GOVT. V.Y.T.PG. AUTONOMOUS COLLEGE, DURG

DEPARTMENT- BOTANY

TEACHING PLAN – 2023-24

CLASS - M.Sc I Paper Il Subject Name - Microbiology,Phycology and Mycology

Subject code - Name of teacher -Dr. Shriram Kunjam

s.n.	months	syllabus	No. of lectures	Methods of teaching
1	August 2023	• Microbiology -gen.characters , structers and reproduction of Viruses,Mycoplasma, Bacteria and Cynobacteria • Genetic recombination	10	notesPDF, google meet, teachmint, college website, HYU website
2	September 2023	• Phycology -l gen. characters, classification habit and habitat , range of thallus organisation,structures and reproduction , cell structure, pigmentation, flagillation • economic importance	12	Classroom teaching with blackboard and charts notes. internet links
3	October 2023	• Phycology- ll gen. characters ,structures and reproduction in class - Chlorophyceae, Charophyceae ,Xanthophyceae, Bacillariophyceae, Pheophyceae, Rhodophyceae	11	Classroom teaching with blackboard and charts notes. internet links
4	November 2023	• Mycology- gen. characters ,classification,mode of nutrition, thallus organisation, structures and reproduction , cell structure, , flagillation • economic importance	12	Classroom teaching with blackboard and charts notes. internet links
5	December 2023	• Class- Mastigomycotina, Zygomycotina,Basidiomycotina, Ascomycotina and Deuteromycotina.	11	Classroom teaching with blackboard and charts notes.

				internet links

Name of the teacher and signature

GOVT. V.Y.T.PG. AUTONOMOUS COLLEGE, DURG

NAME OF THE DEPARTMENT- BOTANY

TEACHING PLAN 2023-24

CLASS - M.Sc I l Paper Il Subject Name - Taxonomy of Angiosperms

Subject code - Name of teacher -Dr. Shriram Kunjam

s.n.	months	syllabus	No. of lectures	Methods of teaching
1	January 2024	• Taxonomy tools- herbarium , floras • Species concept • Salient features of International Code of Botanical Nomenclature	10	Classroom teaching with blackboard and charts, notes. internet links
2	February 2024	• Classification-phenetic versus phylogenetic systems,cladistics in taxonomy • Salient feature of of the system proposed by Bantham and Hooker, Hutchinson, Takhatajan and Cornquist.	12	Classroom teaching with blackboard and charts notes. internet links
3	March 2024	• Gen. characters of the following family- • Dicotyledons- Polypetalae • Ranales • Geraniales • Myrtales	11	Classroom teaching with blackboard and charts notes. internet links
4	April - May 2024	• Dicotyledons- Gamopetalae- • Asterales • Lamiales • Monochlamydeae • Monocotyledons	12	Classroom teaching with blackboard and charts notes. internet links

Name of the teacher and signature

GOVT. V.Y.T.PG. AUTONOMOUS COLLEGE, DURG

NAME OF THE DEPARTMENT- BOTANY

TEACHING PLAN 2023-24

Name of Teacher - Dr. SATISH KUMAR SEN **Class - M. Sc. I Semester**

Course type theory - PLANT PHYSIOLOGY **Course Code - MBO104**

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	I	**Energy flow:** o Principles of thermodynamics, free energy & chemical potential, Redox reactions, structure & function of ATP. **Fundamentals of Enzymology:** o General aspects, Nature of enzymes, mode of enzyme action, classification, enzyme kinetics, Michaelis Menten Equation & its Significance, o Enzyme inhibition, allosteric mechanism, regulatory & active sites, isozymes, factors affecting enzyme activity	July-August 2023	Interactive Classes with black board Assignment Unit- test
14	II	**Membrane Transport & Translocation of water & solutes:** o Plant water relations – properties of water, diffusion, osmosis, permeability, plasmolysis, imbibitions, DPD. o Mechanism of water transport through xylem – absorption of water, ascent of sap, transpiration and mineral nutrition. o Root microbe interaction (mycorrhiza) in facilitating nutrient uptake, o Comparison of Xylem & Phloem transport. o Phloem loading & unloading (translocation) - active & passive solute transport.	Septembe r- 2023	Interactive Classes with black board Assignment Unit- test
12	III	**Signal Transduction:** overview, receptors & G-proteins, o Phospholipids signaling, role of cyclic nucleotides, o Calcium- Calmodulin cascade, o Diversity in protein kinases & phosphatases, o Specific signaling, eg:- Two component sensor regulator system in bacteria & plants, o Sucrose- sensing mechanism.	Septembe r -2023	Interactive Classes with black board Assignment Unit- test
12	IV	**Plant Growth Regulators & Elicitors:** Physiological effects & mechanism of action of auxin, gibberllins, cytokinins, ethylene, abscisic	October-Novembe r - 2023	Interactive Classes with black board Assignment

		acid, brassinosteroids, polyamines, jasmonic acid & salicylic acid, hormone receptors. **Stress Physiology:** plant responses to biotic & abiotic stress, mechanism of biotic & abiotic tolerance, HR & SAR, water deficit & drought resistance, salinity stress, metal toxicity, cold & heat stress, oxidative stress.		Unit- test

Teaching Plan Academic Year- 2023-24

Name of Department – Botany

Name of Teacher - Dr. SATISH KUMAR SEN Class - M. Sc. II Semester

Course type theory - PLANT METABOLISM

Course Code - MBO204

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	I	**Photochemistry & photosynthesis:** o General concepts & historical background. o Evolution of photosynthetic apparatus, photosynthetic pigments & light harvesting complexes. o Photooxidation of water, mechanism of electron & proton transport (Hill reaction). o Carbon assimilation- the Calvin cycle, C4 cycle, CAM pathway. o Photorespiration & its significance. o Biosynthesis of Starch & Sucrose.	January-February 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test
14	II	**Respiration & Lipid Metabolism:** o Overview of Plant respiration, Glycolysis, TCA cycle, electron transport & ATP synthesis, Pentose Phosphate pathway, o Glyoxalate pathway, o Alternative Oxidase system, o Structure & function of lipids fatty acid biosynthesis, synthesis of membrane lipids, structure lipids & storage lipids & their catabolism.	March-April 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test
12	III	**Nitrogen fixation, nitrogen & sulphur metabolism:** o Biological Nitrogen fixation. o Nodule formation & Nod factors. o Mechanism of Nitrate uptake & reduction, ammonium assimilation. o Sulphur uptake, transport & assimilation.	April 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test
12	IV	**Sensory Photo-Biology:** o History of discovery of phytochromes & Crytochromes, their photochemical & biochemical properties,	May 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test

		o Photophysiology of light induced responses, cellular localization and molecular mechanism of action of photo-morphogenic receptors. **The flowering process:** o Photoperiodism & its significance, vernalisation - floral induction & development genetic & molecular analysis. o Endogenous clock & its regulation.		

Teaching Plan academic year 2023

Name of Department – Botany

Name of Teacher - Dr. SATISH KUMAR SEN **Class - M. Sc. III Semester**

Course type theory - PLANT ECOLOGY **Course Code - MBO302**

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	I	**Ecosystem Organization**: o Structure – Structure of ecosystem (Abiotic, biotic components & ecological pyramids), Function of ecosystem (Productivity, food chain, food web, Nutrient cycles & Energy flow), Primary production (Methods of measurement, global pattern, controlling factors), Energy dynamics (tropic organization, energy flow pathways, ecological efficiencies). o Litter fall and decomposition (mechanism, substrate quality and climatic factors). o Global biogeochemical cycles of C, N, P and S mineral cycles (pathways and processes) in terrestrial and aquatic systems.	September – October 2023	Online teaching through Gsuit- Interactive Classes/Assignment/pdf/Unit test
14	II	**Ecosystem stability and management:** o Concept (resistance and resilience), Ecological perturbations – Natural (flood, drought, fire, Volcano, landslide, earthquake, & cyclone) and anthropogenic (deforestation, desertification, usage of pesticide, insecticide, chemical fertilizers and plastics, water, air, soil, noise & nuclear pollutions and their impact on plants and ecosystems. o Ecology of plant invasion, environment impact assessment, ecosystem restorations. o Concept, Strategies, Principle and threats of Sustainable	October November 2023	Online teaching through Gsuit- Interactive Classes/Assignment/pdf/Unit test

		development, Causes of unsustainability, Sustainable development-international & national efforts, Sustainability indicators.		
12	III	**Vegetation and organization**: o Concepts of community and continuum, analysis of communities (analytical – quantitative (frequency, density, abundance, cover and basal area), qualitative (physiognomy, phenology, stratification, abundance, sociability, vitality & life forms), synthetic characters (presence & constantance, fiedality, dominance, interspecific associations, index of similarity, species diversity, diversity index). o Community coefficients, inter specific associations (Positive interaction & Negative interaction), ordination and concept of ecological niche.	November - December 2023	Online teaching through Gsuit- Interactive Classes/Assignment/pdf/Unit test
12	IV	**Vegetation development**: o Temporal changes (cyclic and non cyclic). o Types of ecological succession – hydrosere and xerosere, mechanism of ecological succession (relay floristic and initial floristic composition, facilitation and tolerance), change in ecosystem properties during succession. o Climax concept in succession – monoclimax and polyclimax theory.	December 2023	Online teaching through Gsuit- Interactive Classes/Assignment/pdf/Unit test

Teaching Plan Academic Year 2023-24

Name of Department – Botany

Name of Teacher - Dr. SATISH KUMAR SEN Class - M. Sc. IV Semester

Course type theory - PLANT ECOLOGY – II (POLLUTION & BIODIVERSITY CONSERVATION)

Course Code - MBO402

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	I	Climate, soil and vegetation patterns of the India: o Climate of India. o Life zones (Fresh & marine water), Major biomes – terrestrial and aquatic biomes (Fresh & Marine water), Major vegetation types – forest and grassland vegetation. o Soil types of the India – laterite, black cotton, red, alluvial, alkali, peaty, dessert and scanty soil, barren land.	January 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test
14	II	Pollution, climate change and ecosystems: o Air, water and soil Pollution: - kinds, sources, Air quality parameters – C, S, Nitrogen compounds, Acid rain, Ozone, Fluorides, Hydrocarbons, Metals, Particulate Matter (PM), Aerosols & Toxicants. Water quality parameters – DO, BOD, COD, Turbidity, Nitrate, Chlorides & Phasphate, effects on plants & ecosystem. o Green house gases (Carbon dioxide, methane, nitrous oxide, Chloro fluorocarbons: sources,trends and role). o Ozone layer, ozone hole, consequences of climate change, (global warming, sea level, UV radiation). ecosystem restorations. o Concept, Strategies, Principle and threats of Sustainable development, Causes of unsustainability, Sustainable development-international & national efforts, Sustainability indicators.	February 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test
12	III	Biological diversity: o Concepts and levels, status in India, Utilization and concerns, role of biodiversity in ecosystem functions and stability. o Speciation and extinction, IUCN categories of threat, distribution and global patterns, terrestrial biodiversity, hot spots.	March 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test

		o World centers of primary diversity of domesticated plants: The Indo Burmese center, plant introductions and secondary centers, Diversity index (Shannon weavers, Margalf, & Pilou's methods)		
12	IV	Conservation strategies : o Principles of conservation, environmental status of plants based on International Union for Conservation of Nature. o In situ conservation, International efforts and Indian initiatives, protected areas in India - sanctuaries national parks, biosphere reserves, Wetlands, Mangroves and coral reefs for conservation of wild biodiversity. o Ex situ conservation: Principles and practices, botanical gardens, field, general account of the activities of Botanical Survey of India (BSI), National Bureau of Plant Genetic Resources (NBPGR), Indian Council of Agriculture Research (ICAR), Council of Scientific and Industrial Research (CSIR) for conservation and non-formal conservation efforts.	April-May 2024	Online teaching through Gsuit-Interactive Classes/Assignment/pdf/Unit test

Teaching Plan Academic Year 2023-24

Name of Department – Botany

Name of Teacher – Dr. Vijay Laxmi Naidu **Class – M.Sc 1st Sem Paper-III**

Course type – Theory **Course Code – MBO103**

Lecture no.	UNIT	Name of topic	Expected Month/ week	Methods/ Modes of Delivery
12	I	• General characters, classification, distribution and, Ecological significance of Bryophytes. Fossil bryophytes. • General account including morphology, anatomy, reproduction and interrelationship of the following groups. • Marchantiales – *Plagiochasma* • Jungermanniales –*Porella* • Anthocerotales{eg.*Anthoceros}* • Sphagnals {eg.*Sphagnum}* • Polytricales {eg.*Polytrichum}*	JULY – AUGUST	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.
14	II	• General characteristics, classification, and distributionof Pteridophyta • Evolution of stele, heterospory and seed habit. • General account of following fossil Pteridophytes. • *Asteroxylon., Lepidodendron, Calamophyton.* • Morphology, anatomy, and reproduction of the following groups: • Psilopsida {living Member} - *Psilotum.* • Lycopsida – *Isoetes.* • Pteropsida- *Ophioglossum,Osmunda*	SEPTEMBER	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.
13	III	• General Characteristics, Diversity, Classification,Evolution & Economic importance of Gymnosperms. • General account of Cycadeoidales (Cycadeoidea, Williamsonia), Cordiatales (Cordiates). • Brief account of following – • Pteridospermales –Lyginopteridaceae (*Lyginopteris*) . • Medullosaceae –*(Medullosa)*. • Caytonaceae –*(Caytonia)*. • Pentoxylales *(Pentoxylon)*.	OCTOBER	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.
12	IV	• Structure and Reproduction of the following– • *Cycadales (Zamia,).* • *Coniferales (Araucaria, Cedrus).* • *Ephedrales (Ephedra)* • *Welwischiales (Welwischia)* *Gnetales (Gnetum, Ginkgo bioloba).*	NOVEMBER	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.

Teaching Plan Academic Year 2023-24

Name of Department – Botany

Name of Teacher – Dr. Vijay Laxmi Naidu **Class – M.Sc 2nd Sem, Paper-I**

Course type – Theory **Course Code – MBO201**

Lecture No.	Unit	Name of Topic	Expected Month/ week	Methods/ Modes of delivery
14	I	• **Chromatin Organization:** Chromosome structure and packaging of DNA, molecular organization of centromere and telomere, chromatin and heterochromatin, banding pattern, Karyotype. Ribosomal RNA genes. • **Special types of chromosomes**: Polytene, lamp brush, B chromosomes and sex chromosomes & Sex determination in plants. • **Cytoplasmic inheritance:** Mitochondrial DNA & Cytoplasmic male sterility in plants.	JANUARY	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.
15	II	• **Structural alterations in chromosomes**: origin, meiosis and breeding behaviour of duplication, deficiency, inversion and translocation heterozygotes; • **Numerical alterations in chromosomes**: Aneuploids - monosomic, nullisomic, trisomic and tetrasomic; Euploids - haploids and polyploids; origin & production of autopolyploids, allopolyploids. • **Genetics of prokaryotes and eukaryotic organelles:** Phage phenotype, genetic recombination in virus & bacteria (transformation, conjugation and transduction in bacteria).	FEBRUARY	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures..
14	III	• **Genetic recombination**- Mechanism of crossing over, molecular mechanism ofgenetic recombination. • Role of Rec-A ,Rec-B, Rec- C and Rec-D enzymes. • Homologus &Site specific recombination, • Linkage :- theories, types mechanism & linkage group. •	MARCH	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.
15	IV	• **Chromosome inheritance**: Chromosome theories, mendelian laws, gene interaction. • **Transposons:** transposable elements in prokaryotes and eukaryotes. • **DNA damages & Repair**: mechanisms, inherited human diseases and defects in DNA repair.	APRIL	Online Classes/Assignment/pdf/Unit test/ self-prepared video lectures.

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE, DURG
BOTANY DEPARTMENT
TEACHING PLAN- 2023-24
Class – M Sc Semester III Paper – I
Subject Name: PLANT DEVELOPMENT AND PLANT RESOURCES

Subject CODE –MBO301 **Name of Teacher: Dr. Rajeshwari Prabha Lahre**

S.No.	Month	Syllabus	No. of lect.	Method of teaching
1.	**Sep and Oct 2023**	**UNIT I** • **Introduction**: Unique features of plant development. • **Seed germination and Seedling growth**, metabolism of nucleic acids, proteins and mobilization of food reserves hormonal control of seedling growth. • **Seed dormancy**, overcoming of seed dormancy, Bud dormancy. • **Root development**: Organization of root apical meristem (RAM), Vascular tissue differentiation of root, lateral roots, Root hairs, Root microbe interaction	**12**	Online teaching Classes/ Assignment/ PDF/ Unit test
2.	**Oct and Nov 2023**	**UNIT II** • **Shoot Development**: Organization of shoot apical meristem (SAM). Control of tissue differentiation; especially Xylem and Phloem. • **Secretory ducts and laticifers**, • **Wood development** – Formation of annual ring, heart wood and sap wood, porous and non porous, autumn & spring wood, periderm, lenticels, tylosis	**14**	Online teaching Classes/ Assignment/ PDF/ Unit test
3.	**Nov and Dec 2023**	**UNIT III** • **Leaf growth and differentiation**: Development; phyllotaxy; differentiation of epidermis (with special reference to stomata and trichome) and Mesophyll. • **Senescence**, influences of hormones and environmental factors on sensescence. • **Flower development**: Genetics of Floral organ differentiation: Homeotic mutant in *Arabidopsis* and *Antirrhinum*	**12**	Online teaching Classes/ Assignment/ PDF/ Unit test
4.	**Dec 2023**	**UNIT IV** • **Plant resources**: Introduction, cultivation and uses of: – **Food / Fodder crops**: Wheat, Rice, Sugarcane, Berseem, Black gram & Bengal gram. – **Vegetable Oil Yielding Crops**: Groundnut and Soyabean. – **Fiber Crops:** Cotton and Jute.	**12**	Online teaching Classes/ Assignment/ PDF/ Unit test

S.No.	Month	Syllabus	No. of lect.	Method of teaching
		- **Timber And Fire Wood Plants**: a. Sal, Teak, Shisham, Deodar, Pines, b. Babul, Amaltas, Emli, Bija, Jamun. • **Non Wood Forest Products (NWDPS):** Bamboos, Gums & Dyes (Sindoori, Heena)		

Teaching Plan Academic Year 2023-24

Govt. VYT PG Autonomous College, Durg (C.G.)

Name of Department – Botany

Name of Teacher - Mr. Motiram Sahu **Class - B.Sc. I Semester**

Course Type - Theory **Course Code - BBO01**

Class - B.Sc. Part I – Choice Based Credit System (CBCS)

Course Name - Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Lecture No.	Unit	Name of topic	Expected Month/Week	Methods/ Modes of Delivery
12	III	**Fungi** **Introduction- General characteristics, ecology and significance, range of thallus organization, cell wall composition, nutrition, reproduction and classification; True Fungi- General characteristics, ecology and significance, life cycle of *Rhizopus* (Zygomycota) *Penicillium, Peziza* (Ascomycota), *Puccinia* (Basidiomycota) *Alternaria* (Deuteromycota); Symbiotic Associations-Lichens: General account, reproduction and significance; Mycorrhiza: ectomycorrhiza and endomycorrhiza and their significance**	16 August– 15 September	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
12	IV	**Introduction to Archegoniate Unifying features of archegoniates, Transition to land habit, Alternation of generations.** **Bryophytes: General characteristics, adaptations to land habit, Classification, Range of thallus organization. Classification (up to family), morphology, anatomy and reproduction of *Marchantia* and *Funaria*. Ecology and economic importance of bryophytes.**	16 September– 15 October	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
14	V	**Pteridophytes: General characteristics, classification, Early land plants (*Rhynia*). Classification (up to family), morphology, anatomy and reproduction of *Selaginella* and *Equisetum*.**	16 October –30 November	Blackboard Teaching/ Assignment/

		Heterospory and seed habit, stelar evolution. Ecological and economical importance of Pteridophytes. **Gymnosperms: General characteristics, classification. Classification (up to family), morphology, anatomy and reproduction of *Cycas* and *Pinus*. (Developmental details not to be included). Ecological and economical importance.**		**PDF/** **Unit test** **PPT/Lab demonstration**

Sign of Teacher **Sign of HOD** **Sign of Principal**

Teaching Plan Academic Year 2023-24

Govt. VYT PG Autonomous College, Durg (C.G.)

Name of Department – Botany

Name of Teacher - Mr. Motiram Sahu **Class – B.Sc. Part - II**

Course Type - Theory **Course Code - BBO04**

Course Name - Ecology and Plant Physiology

Lecture No.	Unit	Name of topic	Expected Month/Week	Methods/ Modes of Delivery
6-7	I	Introduction and scope of ecology, environmental and ecological factors, Soil formation and soil profile, Liebig's law of minimum, Shelford's law of tolerance, morphological and anatomical adaptations in hydrophytes, xerophytes and epiphytes.	July	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
6-7	II	Population and community characteristics, Raunkiaer's life forms, population interactions (e.g. Symbiosis, Amensalism etc.), succession, ecotone and edge effect, ecological niches, ecotypes, ecads, keystone species Concept of ecosystem, trophic levels, flow of energy in ecosystem, food chain and food web.	August	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
7-8	II & III	Concept of ecological pyramids. Biogeochemical cycles: carbon cycle, nitrogen cycle and phosphorus cycle. Plant water relations: Diffusion, permeability, osmosis, imbibitions, plasmolysis, osmotic potential and water potential, Types of soil water, water holding capacity, wilting,	September	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
6-7	III	Absorption of water, theories of Ascent of sap, Mineral nutrition and absorption, Deficiency symptoms, Transpiration, stomatal movement, significance of	October	Blackboard Teaching/ Assignment/

		transpiration, Factors affecting transpiration, guttation.		**PDF/** **Unit test** **PPT/Lab demonstration**
6-7	**IV**	**Photosynthesis: Photosynthetic apparatus and pigments, light reaction mechanism of ATP synthesis. C3, C4 CAM pathway of carbon reduction, photorespiration, factors affecting photosynthesis.**	**November**	
6-7	**IV & V**	**Respiration: Aerobic and anaerobic respiration, Glycolysis, Kreb's cycle. Factors affecting respiration, R.Q. Plant growth hormones: Auxin, Cytokinin.**	**December**	
6-7	**V**	**Gibberellin, Ethylene and Abscissic acid. Physiology of flowering, Florigen concept, Photoperiodism and Vernalization. Seed dormancy and germination, Plant movement.**	**January**	
		Final Lab Exams of undergraduate classes as internal and external exams	**February**	

Sign of Teacher **Sign of HOD** **Sign of Principal**

Teaching Plan Academic Year 2023-24

Govt. VYT PG Autonomous College, Durg (C.G.)

Name of Department – Botany

Name of Teacher - Mr. Motiram Sahu **Class – B.Sc. Part - III**

Course Type - Theory **Course Code - BBO05**

Course Name - Analytical Technology Plant Pathology, Experimental Embryology, Elementary Biostatistics, Environmental Pollution, and Conservation

Lecture No.	Unit	Name of topic	Expected Month/Week	Methods/ Modes of Delivery
6-7	I	Structure, Principle and applications of analytical Instrumentation. Chromatography techniques, Oven, Incubator, Centrifuge, Spectrophotometer	July	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
6-7	II	Plant tissue culture techniques, growth media, totipotency, protoplast culture, somatic hybrids and cybrids, micropropagation, somaclonal variations, haploid culture. Analytical techniques: Microscopy-Light microscope, Electron microscopes.	August	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
6-8	II & III	General principles of plant pathology, general symptoms of fungal, bacterial, and viral diseases, mode of infection, disease resistance, and control measures, plant quarantine.	September	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
6-7	III	A study of epidemiology and etiology of following plant diseases. Rust disease of wheat, Tikka disease of ground nut, Red rot of sugarcane, Bacterial blight of rice,	October	Blackboard Teaching/ Assignment/

		Yellow vein mosaic of bhindi, Little leaf of brinjal.		**PDF/** **Unit test** **PPT/Lab demonstration**
6-7	**IV**	**Introduction to pollution, greenhouse gases, Ozone depletion, Dissolve oxygen, B.O.D., C.O.D.** **Biomagnifications, Eutrophication, Acid precipitation, Phytoremediation. Plant indicators, Biogeographical Zones of India, Concept of Biodiversity, CBD, MAB.**	**November**	**Blackboard Teaching/** **Assignment/** **PDF/** **Unit test** **PPT/Lab demonstration**
6-7	**IV & V**	**National parks and Biodiversity Hot Spots, Conservation strategies, Red Data Book, IUCN threat categories, invasive species, endemic species, concept of sustainable development. Introduction and application of Biostatistics..**	**December**	**Blackboard Teaching/** **Assignment/** **PDF/** **Unit test** **PPT/Lab demonstration**
6-7	**V**	**Measure of central tendency-Mean, Median, Mode, measures of dispersal-Standard deviation (Direct and Shortcut Method), standard error.**	**January**	**Blackboard Teaching/** **Assignment/** **PDF/** **Unit test** **PPT/Lab demonstration**
		Final Lab Exams of undergraduate classes as internal and external exams	**February**	

Sign of Teacher **Sign of HOD** **Sign of Principal**

Teaching Plan Academic Year 2023-24

Govt. VYT PG Autonomous College, Durg (C.G.)

Name of Department – Botany

Name of Teacher - Mr. Motiram Sahu **Class - M.Sc. III Semester**

Course Type - Theory **Course Code - MBO303**

Course Name - Biotechnology and Genetic Engineering of Plants

Lecture No.	Unit	Name of topic	Expected Month/Week	Methods/ Modes of Delivery
12	I	• Biotechnology: Basic concepts, principles and scope. • Plant cell and tissue culture: General introduction, history, scope, concept of cellular differentiation, cellular totipotency. • Cell Culture: Single cell culture, suspension culture and application. • Culture media: Types, constituents, Selection of media and media preparation.	1 July – 15August	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration
12	II	Application of plants tissue culture: • Clonal propagation (Micropropagation) – Shoot culture, Apical Meristem culture, • Production of hybrids, soma clones and somaclonal variations, • Artificial seed • Production of secondary metabolites/natural products: Morphological and chemical differentiation, Media composition. Strategies for plant conservation: • *Ex-situ*: Genetic resource centre, Gene bank, Seed banks, in vitro	16 August– 15 September	Blackboard Teaching/ Assignment/ PDF/ Unit test PPT/Lab demonstration

		repositories and Cryo banks, the department of Biotechnology (DBT) for conservation and non formal conservation efforts. • ***In-situ* conservation: National Park, Sanctuaries, National reserve, Biosphere reserve, Natural monuments.**		
12	**III**	**Organogenesis and adventives embryogenesis: Fundamental aspects of morphogenesis, organogenesis via callus formation.** • **Somatic embryogenesis (zygotic embryo, non zygotic embryos, somatic embryos, parthenogenetic embryo, androgenic embryo).** • **Somatic androgenesis (direct and indirect), mechanisms, techniques and utility.** **Somatic hybridization: Methods of Protoplast isolation, Spontaneous and induced methods of protoplasm fusion, identification and selection of hybrid cell, regeneration of hybrid plants; possibilities, achievements and limitations.**	**16 September– 15 October**	**Blackboard Teaching/** **Assignment/** **PDF/** **Unit test** **PPT/Lab demonstration**
12	**IV**	**Genetic engineering of plants:** • **Aims, Strategies and development of transgenic.** o **Gene transfer methods: Vector mediated gene transfer - Agro bacterium: the natural genetic engineer, Virus mediated gene transfer, Vectorless or Direct DNA transfer.** • **Chloroplast transformation and its utility.**	**16 October –30 November**	**Blackboard Teaching/** **Assignment/** **PDF/** **Unit test** **PPT/Lab demonstration**

		• **Molecular maps of plant Genomes.**		

Head of the Department

TEACHING PLAN

Subject code: BBT, MBT

Session: 2023-24

Shweta Pandey

Sr. no.	Month	Class	Paper	Name of the Topic	No. of lectures	Method of teaching
1	July	B.Sc. Sem III	DSC and GEC	Unit II • Mendelian genetics- basic principles and interaction of genes.	06	Blackboard teaching, Group discussion and Interactive teaching
		B.Sc. Part III	Paper I	Unit IV • Bio-fertilizer, Bio-pesticides, IPR	06	Blackboard teaching, Group discussion and Interactive teaching
2	August	B.Sc. Sem I	DSC and GEC	UNIT I • Cell theory. • Prokaryotic cell structure- Function and ultrastructure of cell (Gram positive and Gram negative), plasma membrane, flagella, pilli, endospore and capsule.	08	Blackboard teaching, Group discussion and Interactive teaching
		B.Sc. Sem III	DSC and GEC	Unit II • Linkage, Crossing Over. • Sex-linked inheritance and pedigree. • Cytoplasmic inheritance.	08	Blackboard teaching, Group discussion and Interactive teaching
		M.Sc. I Sem	Paper I	Unit I • Cell cycle: Cell division and cell cycle, Mitosis and Meiosis, their regulation, steps in cell cycle and	16	Powerpoint presentation, e-content, Blackboard teaching and Group

				control of cell cycle. • Cell Death: Types of cell death (Necrosis & Apoptosis), Mechanisms involved in Cell Apoptosis, Importance and Control of Apoptosis. • Cell Signaling: Signaling molecules, Second Messengers Cell Surface Receptors, Intracellular Receptors, Signal Transduction Pathways. • Cell Communication: Cell adhesion Molecules, Gap Junctions, Extra Cellular Matrix, Integrins, Neurotransmission & its regulation. • Biology of Cancer cells: Properties of cancerous cells, Development and causes of cancer, Types of Cancer Cells, Proto-oncogenes, Oncogenes, Tumour Suppressor genes, Metastasis, Treatments of Cancer.		discussion.
3	September	B.Sc. Sem I	DSC and GEC	Unit I • Eukaryotic cell structure- Cell wall. • Cell division- Mitosis and meiosis. • Microbiology.	08	Blackboard teaching and Group discussion
		B.Sc. Sem III	DSC and GEC	Unit II ▪ Population genetics: calculating genotypic and allele frequencies. • Hardy Weinberg law: Deviation from the law due to nonrandom mating, mutation, migration, genetic drift	08	Blackboard teaching and Group discussion

				and natural selection		
		B.Sc. III	Paper I	Unit I • Agro bacterium. Ti and Ri plasmid. Bt gene. • Molecular marker (RFLP, RAPD), edible vaccines.	08	Blackboard teaching and Group discussion
		M.Sc. I Sem		Unit II • Membrane structure and function: Membrane composition and its structural organization, Membrane Transport (Diffusion, Osmosis, Carriers & Channels, Active & Passive Transport), Membrane Potential • Mitochondria and bioenergetics: Organization and function of mitochondria, Respiration, Glycolysis, Kreb's Cycle, Electron Transport Chain, ATP Synthase, Anaplerotic reaction, Inhibitors and Uncoupling Agents, Fermentation, Entner Doudoroff Pathway. • Chloroplast and photosynthesis: Structure and function of chloroplast, Photosynthetic Pigments, Stages of Photosynthesis (Light reaction-electron flow through PS I and PSII and Dark reaction- C3, C4 and CAM cycle), Photorespiration. • Endo membrane and membrane trafficking: Protein targeting and translocation, Endoplasmic	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				Reticulum (Transport of proteins across ER membrane), Golgi Complex (Transport of proteins through Cisternae, Transport of proteins from the TGN to Lysosome), Vesicle Fusion, Mitochondria (Transport of proteins across Mitochondrial Membrane), Nucleus (Transport through Nuclear Pores). • Cytoskeleton: Microtubules, Kinesins & Dyneins, Cilia & Flagella, Centriole, Actin Filaments, Myosin, Muscle Contraction, Intermediate Filament		
		M.Sc. III Sem	Paper II	Unit I • Nucleic acid purification: Technique applied for DNA and RNA isolation in bacteria, plants and animals Electrophoresis: Principle, Method and Analysis of bands • Molecular tools: Restriction enzymes (Nomenclature, Types, Mechanism of action with examples) and Modification enzymes (Terminal nucleotidyltransferase, Alkaline phosphatase, Polynucleotide kinase, RNAse A, RNAse P, S1 nuclease, DNAse) and ligases. • DNA primers: Properties, General concept and Development of primers, linkers and adaptors, their importance in genetic engineering. • In situ hybridization	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				techniques: ISH probes, Labelling techniques, Process, Challenges of ISH, Application of ISH Unit II • Vectors: Properties, Types (Plasmid, Cosmid, Phagemid, M13 vector, Shuttle vector, YAC, BAC, Bacteriophage vector), Cloning vs Expression vectors, Method for development ofcompetent host for vectors. • Transformation and transfection techniques: General consideration for DNA Transformation, Liposome mediated transformation, Non-viral mediated methods (Calcium phosphate precipitation, Electroporation, Microinjection, Gene gun method, Lipofection, Virus mediated transformation in plants and animals; Stable and transient transfection.		
	October	BSc Sem I	DSC and GEC	Unit I • Plasma membrane- Structural and physiological concepts. • Cell organelles- Plasma membrane, mitochondria, Golgi bodies, endoplasmic reticuclum, ribosome, chloroplast etc. • Nucleus- Organisation and chromosomes.	08	Blackboard teaching and Group discussion
		BSc Sem III	DSC and GEC	Unit III: • Evolutionary genetics: Molecular variation and protein variation, DNA sequence variation.	08	Blackboard teaching and Group discussion
		MSc Sem I		Unit III:	16	Powerpoint

				• Molecular divergence and molecular clock for evolution: Early discovery, Calibration of molecular clock, Methods of molecular clock determination (Bayesian method), Applications of molecular clock. • Gene Mapping: Genetic Mapping & Physical Mapping, Interrupted mating Technique, Linkage maps, Applications of Gene Mapping. • Pedigree analysis: Basic rules for pedigree analysis, Pedigree analysis of Autosomal and Sex inheritance related diseases, Evolutionary Pedigree. • Phylogeny: Phenetics and Cladistics, Methods used for phylogenetic studies (Bootstrapping Analysis, Maximum Parsimony, Maximum likelihood, Distance Matrix Method), Phylogenetic Tree and its types. • Heritability and its measurement: Mechanism of heritability, Methods of heritability Measurements and its Applications.		presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem III		Unit II: • Screening and selection of recombinant clone: Insertional inactivation, Methods for screening (Blue white screening, Antibiotic selection, Positive selection vector, Diagnostic restriction	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				digest, Colony PCR, Sequencing), Biological significance. • Chromosome walking: General concept, Requirements, Technique and Application. Unit III 3.1 cDNA library and genomic library: General concept and components, construction and screening of libraries, Application. • Polymerase chain reaction and Molecular markers: Requirements, General process, Types and applications. RAPD, RFLP, AFLP, SSR, STS, QTL etc. • Restriction mapping: Restriction digestion, Electrophoresis and Interpretation and map based cloning. • Genome sequencing: Early techniques, Present techniques, application, Ethical concerns and Human genome project: Techniques and analysis, Application and proposed benefits, Ethical, legal and social issues.		
	November	BSc Sem I	DSC and GEC	Unit II: • Cytoskeleton-microtubules, microfilaments and intermediate filaments. • Biology of cancer cells. • Apoptosis.	08	Blackboard teaching and Group discussion
		BSc Sem III	DSC and GEC	Unit III: • Speciation and phylogenetic trees.	08	Blackboard teaching and Group discussion
		MSc Sem I		Unit IV: • Origin of new gene &	16	Powerpoint presentation, e-content,

				proteins: Transposable element protein domestication, Lateral gene transfer, gene fusion and fission, de-novo gene origins, Pseudo genes. • Gene duplication and divergence: Origin of gene duplication, Mechanism of gene duplication, Effect of gene duplication on genome structure, Variations in duplicated genes and its Functional divergence. • Hardy-Weinberg Law: Concept and rate of change in gene frequency through natural selection • Genetic drift: Allopatricity, Sympatricity, Convergent evolution, Divergent evolution , Co-evolution. • Molecular population genetics: Analysis of molecular variance, Demographic history using molecular data, Genetic distance and its estimation, genetic relatedness and identity by descents, detection of selection events, the coalescent theory.		Blackboard teaching and Group discussion.
		MSc Sem III		Unit IV: • Gene therapy: Strategies of gene delivery, gene replacement &augmentation, Applications. • Gene silencing: Causes, Types: Transcriptional and Post- transcriptional, Research methods (Antisense oligonucleotides, Ribozymes, si and mi RNA) Applications & Gene knockout	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				technology: General concept, Method, Types and Uses. • Site directed mutagenesis: Basic mechanism, Methods (invivo and in vitro), Applications and Protein engineering: Approaches, Semi-rational design, Method, Screening and selection techniques, Examples of engineered proteins, Enzyme engineering. • CRISPR/cas-9 Technology: Genome engineering by CRSIPR/cas-9, mechanism and variation.Regulation for CRISPR/cas-9 technology, Applications (CRISPR/cas and immune system of bacteria and archaea, RNA guided human genome engineering via cas-9, Multiplex genome engineering using CRISPR/cas system, Genome scale CRISPR/cas-9 Knock out in human cells, Genetic screening in human cells using CRISPR/cas-9 system).		
	December	BSc Sem I		Exam		
		BSc Sem III		Exam		
		BSc Part III		Exam		
		MSc Sem I		Exam		
		MSc Sem III		Exam		
	January	BSc Sem II	DSC and GEC	Unit V: • Recombination-Homologous and non-homologous recombination.	08	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Unit I: • Recombinant DNA technology: General	08	Blackboard teaching and Group

				concept. Steps in gene cloning and application.		discussion
		MSc Sem II	Paper I	Unit I: • DNA replication: Enzymes of DNA replication, Chemistry of DNA replication, Replication Fork, Mechanism and Regulation of replication in prokaryotes and eukaryotes. • DNA damage, Mutation and Repair: Causes and Consequences of DNA Damage, Mutagens, Molecular basis of mutation, Types of Mutations. Types of DNA Repairs (Direct Repair, Excision Repair, Mismatch Repair, Recombination Repair, SOS Response). • Transcription: RNA Polymerase and Transcription unit, Transcription in prokaryotes and eukaryotes, Activators, Co-activators, Enhancers, Motifs and post transcriptional modifications (Capping, Poly- adenylation, Splicing, RNA Editing, Processing of pre-tRNA and r-RNA), • Translation: Translational machinery components, Genetic code and Wobble hypothesis, Process of Translation (Initiation, Elongation and Termination in prokaryotes & eukaryotes) Translation regulation (translation dependent regulation of mRNAs and protein stability), Post translational	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				modification of peptides (Chemical modification, proteolytic cleavage and protein splicing).		
		MSc Sem IV	Paper II	Unit III: • Introduction to biological databases. • Sequence alignment.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	February	BSc Sem II	DSC and GEC	Unit V: • Recombination- Site specific recombination and transposons.	08	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Unit I: • Host controlled Restriction Modification System, Ligases and Polymerases, Klenow fragment, Taq, Pfu polymerase.	08	Blackboard teaching and Group discussion
		MSc Sem II	Paper I	Unit II: • DNA recombination: Types of recombination (Homologous and Site Specific recombination), Models of Homologous Recombination, Protein machinery involved in homologous recombination, Biological importance of recombination. • The maintenance of DNA sequence: Nucleosome model, Barr bodies,Role of methylation, Telomerization, Phosphorylation, Acetylation and deacetylation in the maintenance of DNA Sequences. • The genetic system of mitochondria and	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				plasmids: Introduction, Mt and Cp DNA, Chloroplast inheritance: Corren's experiment, maternal inheritance of mitochondria in humans, Mitochondrial mutation and human diseases. • Molecular basis of cancer cell behaviour: Tumour cells and Onset of Cancer (Metastasis and angiogenesis), Gain of function and loss of function of genes and proteins involved in cancer progression.		
		MSc Sem IV	Paper II	Unit III: • Database similarity search. • Gene prediction.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	March	BSc Sem I	DSC and GEC	Unit V: • Molecular markers.	08	Blackboard teaching and Group discussion
		BSc Sem III	DSC and GEC	Unit I: • Nuclease (Endo, Exo and restriction endonuclease).	08	Blackboard teaching and Group discussion
		MSc Sem II	Paper I	Unit III: • Molecular Chaperons: Location and function, Human chaperone proteins, Bacterial chaperone, Nomenclature, Clinical significance, Chaperonin and Proteasomes: Ubiquitination, Structure and organization, Assembly, Protein degradation process, Inhibitors, Biological role, Clinical significance. • Epigenetic Mechanism: Heterochromatin and	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				Histones, CpGiland, Chromosome condensation. • Overview of gene control: Operon and its types, Gene control in establishment of lytic and lysogeny, Restricting multiple replication in prokaryotes and eukaryotes • DNA binding and motif in gene regulatory protein: Types, Function, Structure, DNA binding protein in genomes.		
		MSc Sem IV	Paper II	Unit IV: • Profiles and Hidden Markov Models. • Protein motifs and domain prediction.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	April	BSc Sem II	DSC and GEC	Unit V: • Catalytic RNAs (si RNA and miRNA)	08	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Unit I: • Modification Enzyme (Kinase, Phosphates and terminal deoxynucleotidyltransferase). Reverse Transcriptase.	08	Blackboard teaching and Group discussion
		MSc Sem II	Paper I	Unit IV: • The RNA world and origin of life • Genome sequences and evolution. • Catalytic RNAs. • Non-coding and Regulatory RNAs	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	Paper II	Unit IV: • Protein structure prediction. • Phylogenetics.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	May-June	BSc Sem II		Exam		

		BSc Sem IV		Exam		
		BSc Part III		Exam		
		MSc Sem I		Exam		
		MSc Sem III		Exam		

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TEACHING PLAN

Subject code: BBT, MBT, SEC

Subject: Biotechnology

Classes: B.Sc. M.Sc.

Session: 2023-24

Somendra Kumar

S. No.	Month	Class	Paper	Name of the Topic	No. of lectures	Method of teaching
1.	August	B.Sc. I	BBT01-SEC01	• Enzyme catalysis, Inhibition, and regulation. • Techniques for studying enzyme action.	08	Blackboard teaching, Group discussion and Interactive teaching
2.		B.Sc. III Sem	BBT03	• Concept of gene: fine structures of gene, pseudogene, non-coding genes, overlapping gene and multigene family, • Variation at genetic level: DNA marker- VNTR, STR, Microsatellite, SNP, RFLP, RAPD, AFLP.	08	Blackboard teaching, Group discussion and Interactive teaching
3.		M.Sc. I Sem	MBT 102	• Microbial Taxonomy: taxonomic rank, Classification system, • Taxonomic characteristics, major division of life, Bergey's manual of systematics. • Virus: Taxonomy, structure, replication, cultivation, and purification	12	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
4.		M.Sc.	MBT303	• Callus & Suspension Cultures:	12	PowerPoint

		III Sem		Initiation and Maintenance of callus and suspension culture. • Embryogenesis in Plant Tissue Culture: Somatic embryogenesis, Embryo culture & embryo rescue. • Protoplast Culture: Protoplast isolation, fusion and its application in hybridization.		presentation, e-content, Blackboard teaching and Group discussion.
5.		B.Sc. 3rd Year	BBT05	• Agrobacterium: Ti and Ri plasmid • Concept of cellular differentiation • Application of Tissue culture	08	Blackboard teaching and Group discussion
6.	September	B.Sc. I	BBT01-SEC01	• Multienzyme complex • Methods of enzyme production	08	Blackboard teaching and Group discussion
7.		B.Sc. III Sem	BBT03	• Gene Expression: Transcription, Post transcriptional modification, Translation • Gene regulation: Prokaryotic gene regulation and eukaryotic gene regulation.	10	Blackboard teaching and Group discussion
8.		M.Sc. I Sem	MBT 102	• Archeobacteria, Eubacteria: Fine structure, reproduction and growth, culture characteristics, metabolism, and their genome. • Low & High G+C Gram	12	PowerPoint presentation, e-content, Blackboard teaching and Group

				Positive Bacteria • Fungi: Classification, structure, nutrition & metabolism, and reproduction		discussion.
9.		M.Sc. III Sem	MBT303	• Single Cell Culture: Isolation and cloning of single cell & cell viability test • Shoot tip culture: Rapid clonal propagation & production of virus free plant	12	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
10.		B.Sc. 3rd Year	BBT06	• Immunology: general concepts, history, and development • Immune system and immunity, • Organization of immune system	08	Blackboard teaching and Group discussion
11.	October	B.Sc. III Sem	BBT03	• Transcriptional control, post transcriptional regulation • RNA mediated control.	06	Blackboard teaching and Group discussion
12.		M.Sc. I Sem	MBT 102	• Human disease caused by virus and prions: Small pox, different types of flu, chicken pox and shingles, hepatitis, Rabies, Ebola and Hanta fever, Control, and treatment of all diseases; SARS COV2- Biology, Genomics and Epidemiology.	12	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
13.		M.Sc. III Sem	MBT303	• Haploid Plant Generation: Ather, Pollen, and ovary culture for production of hybrid plants	12	PowerPoint presentation, e-content, Blackboard teaching and

				• Tools: Marker genes, reporter gene, gene silencing, cryopreservation, and germplasm conservation.		Group discussion.
14.	November	B.Sc. III Sem	BBT03	Revision	06	Blackboard teaching and Group discussion
15.		M.Sc. I Sem	MBT 102	• Human Diseases caused by bacteria: Diphtheria, Cholera, Leprosy, Pneumonia, Tetanus, Typhoid, Tuberculosis, Plague, Control, and treatment of all diseases. • Human Diseases caused by Fungi and Protista: Malaria, Amoebic Dysentry, Sleeping sickness, Kala azar, Aspergillosis, Blastomycosis, Candidiasis, Control, and treatment of all diseases.	16	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
16.		M.Sc. III Sem	MBT303	• Plant transformation technology: Basis of tumor formation, Hairy root, • Features of Ti &Ri plasmids, Use of Ti &Ri plasmids as vectors, Mechanism of DNA transfer.	12	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
17.		B.Sc. 3rd Year	BBT06	• Antigen- antibody and its types, • Cells involved in immune system • Basic structures and functions of cytokines	12	Blackboard teaching and Group discussion

18.	December	Revision and Semester Exams				
19.	January	B.Sc. II Sem	BBT02	• Classification of microorganisms and taxonomy • Molecular basis of microbial taxonomy	12	Blackboard teaching and Group discussion
20.		B.Sc. IV Sem	BBT04	• Gene therapy: In vivo and Ex vivo, Germ line and Somatic gene therapy • Determination of sizes (sedimentation analysis, gel filtration, SDS-PAGE); Native PAGE, Determination of covalent structures – Edman degradation	12	Blackboard teaching and Group discussion
21.		M.Sc. IISem	MBT204	• Cells and organs of the immune system: Hematopoiesis, • Cells of the Immune System, • Organs of the Immune System, • Systemic Function of the Immune • System, Lymphoid Cells, and Organs—Evolutionary Comparisons • Antigen and Antibody Structure:Immunogenicity Versus Antigenicity, • Factors That Influence Immunogenicity, Epitopes, Haptens and the Study of Antigenicity, • Basic Structure of Antibodies, Antibody-Mediated Effector	16	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.

				Functions, Antibody Classes and Biological Activities, Antigenic Determinants on Immunoglobulins, • The B-Cell Receptor, • Monoclonal Antibodies		
22.		M.Sc. IV Sem	MBT403	• Downstream processing: introduction, removal of microbial cells and solid matter, precipitation, filtration, centrifugation, cell disruption, liquid-liquid extraction	08	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
23.		B.Sc. 3rd Year	BBT06	• Cell mediated immunity • Interferons • Hypersensitivity	08	Blackboard teaching and Group discussion
24.	February	B.Sc. II Sem	BBT02	• Transcription in prokaryotes and Eukaryotes. • Processing of RNA	08	Blackboard teaching and Group discussion
25.		B.Sc. IV Sem	BBT04	• PCR: types of PCR, steps, mechanism (denaturation, annealing, and extension) • Applications, advantages, and limitations of PCR	08	Blackboard teaching and Group discussion
26.		M.Sc. II Sem	MBT204	• Antigen – antibody interaction: Strength of Antigen-Antibody Interactions, • Cross-Reactivity, Precipitation Reactions, Agglutination Reactions, • Radioimmunoassay, Enzyme-Linked	16	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.

				Immunosorbent Assay, Western Blotting, Immunoprecipitation, Immunofluorescence, Flow Cytometry and • Fluorescence, Alternatives to Antigen-Antibody Reactions, Immunoelectron • Microscopy		
27.		M.Sc. IV Sem	MBT403	• Effluent treatment: COD & DOC treatment and disposable of effluent • Biomining: uses of microbes in mineral beneficiation and oil recovery	16	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
28.		B.Sc. 3rd Year	BBT06	• Antigen – antibody interaction, principle, and its types • Monoclonal antibodies • Organ transplantations' • Immunodeficiency diseases • Cancers • AIDS	16	Blackboard teaching and Group discussion
29.	March	B.Sc. IV Sem	BBT04	• Human Genome Project • Molecular marker- RFLP, RAPD and Microarray	08	Blackboard teaching and Group discussion
30.		M.Sc. II Sem	MBT204	• Leukocyte activation and migration: Lymphocyte Recirculation, Cell- • Adhesion Molecules, Neutrophil Extravasation, Lymphocyte	12	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.

				• Extravasation, Chemokines—Key Mediators of Inflammation, The Inflammatory Process, Anti-Inflammatory Agents. • Tolerance and Autoimmuntiy: Organ-Specific Autoimmune Diseases, Systemic • Autoimmune Disease, Treatment of Autoimmune Diseases; Herd Immunity.		
31.		M.Sc. IV Sem	MBT403	• Immobilization techniques: whole cell immobilization and their industrial application.	06	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
32.	April	M.Sc. II Sem	MBT204	• Cytokines: Properties of Cytokines, Cytokine Receptors, Cytokine Antagonists, • Cytokine Secretion by TH1 and TH2 Subsets, Cytokine-Related Diseases, • Therapeutic Uses of Cytokines and Their Receptors, Cytokines in Hematopoiesis • The Major Histo Compatibility agent: Organization and Inheritance, • Regulation of MHC expression, MHC and Disease Susceptibility • Transplantation Immunology:	16	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.

				Immunologic Basis of Graft Rejection, Clinical • Manifestations of Graft Rejection, General Immunosuppressive Therapy, • Specific Immunosuppressive Therapy, Immune Tolerance to Allografts, Clinical • Transplantation		
33.		M.Sc. IV Sem	MBT402	• Introduction to clinical trials • Clinical trials • Post marketing research	06	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
34.	May	M.Sc. II Sem	MBT204	• Cell mediated cytotoxic response: Effector Responses, General Properties of • Effector T Cells & Cytotoxic T Cells, Natural Killer Cells, Antibody-Dependent Cell-Mediated Cytotoxicity • Hypersensitivity reaction: Gell and Coombs Classification, IgE-Mediated (Type • I) Hypersensitivity, Antibody-Mediated Cytotoxic (Type II) Hypersensitivity, • Immune Complex–Mediated (Type III) Hypersensitivity, Type IV, or Delayed-Type	16	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.

				Hypersensitivity (DTH) • Vaccines and Immunodeficiency diseases: Attenuated vaccines/mRNA • vaccines/DNA vaccines, Designing Vaccines for Active Immunization, Types of • Immunodeficiency diseases, AIDS, Cytokine Storm.		
35.		M.Sc. IV Sem	MBT402	• Regulatory affairs of clinical research	04	PowerPoint presentation, e-content, Blackboard teaching and Group discussion.
36.	June	Semester Exam				

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TEACHING PLAN

Subject code: BBT, MBT

Session: 2023-24

Dr. Nikhil Mishra

Sl. no.	Month	Class	Paper	Name of the Topic	No. of lectures	Method of teaching
1	August	B.Sc. Sem III	DSC and GEC	Unit IV • Simple Microscopy, Phase contrast Microscopy, Fluorescence Microscopy	06	Blackboard teaching, Group discussion and Interactive teaching
		B.Sc. Part III	Paper I	Unit IV • General introduction and scope of environmental biotechnology, • Environmental pollution and its types. (Air, water, soil, sound, radioactive etc.)	03	Blackboard teaching, Group discussion and Interactive teaching
		B.Sc. Sem I	SEC	• Enzyme Catalysis: Covalent catalysis, acid-base catalysis, Metal ion catalysis, proximity and orientation effects, and examples.	08	Blackboard teaching, Group discussion and Interactive teaching
		M.Sc. Sem.I	MBT103: Paper-III Biomolecules	UnitI 1.1 Amino acid: General structure, Classification, Optical properties, Titration and Peptides: Peptide bond and types of peptide, Biological role of peptides. 1.2 Structure of proteins: Primary, Secondary, Tertiary and Quaternary structures, Ramachandran plot, Protein sequencing. 1.3 Protein functions: Structure and function of Myoglobin and Haemoglobin. 1.4 Isolation and Purification of protein: Salting	12	Power point presentation, e-content, Blackboard teaching and Group discussion

				in and salting out, Fractionation, Dialysis, Column chromatography, Affinity Chromatography, Electrophoresis, Isoelectric focusing, 2D electrophoresis.		
2.	September	B.Sc. Sem III	DSC and GEC	• Electron Microscopy: SEM, TEM • pH meter • Absorption & emission spectroscopy. • Fluotrimetry, colorimetry, spectrophotometry (visible, Uv, infra red)	08	Blackboard teaching, Group discussion and Interactive teaching
		B.Sc. Part III	Paper 1	• Control of pollution through biotechnology. • Waste water treatment: Physical, Chemical and Biological. • Bio-fertilizer • Bio-pesticides	8	**Blackboard teaching, Group discussion and Interactive teaching**
		B.Sc. Sem. I	SEC	• **Techniques for studying enzymatic action: electrochemical techniques, UV-Vis spectroscopy, electrochemical impedance spectroscopy (EIS).** • **Multienzyme complexes**	08	Blackboard teaching, Group discussion and Interactive teaching
		M.Sc. I Sem	**MBT103: Paper-III Biomolecules**	Unit II **Glycoconjugates :**Proteoglycans, Glycoproteins and Glycolipids. **2.2 Carbohydrate as informational molecule:** the sugar code, Role of lectin, Lectin-carbohydrate interaction. **2.3 Lipid as signal, cofactors and pigments:** Role in intracellular signaling, Mechanism of action of Eicosanoids, Steroid	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				hormones, Vitamin D and Vitamin A, Dolichols. **2.4 Lipid extraction methods:** Role of organic solvents and method of • extraction, Determination of lipid structure:		
		M.Sc. III Sem	Paper I **MBT 301 - : Instrumentation, Nano-Biotechnology and Drug Designing**	Unit I • 1.1 Separation Techniques: HPLC, HPTLC • 1.2 Physico Chemical techniques – Sedimentation and ultracentrifugation • 1.3 Spectroscopy: UV/ Visible Spectroscopy.	12	Power point presentation, e-content, Blackboard teaching and Group discussion.
3	October	B.Sc. Sem III	DSC and GEC	• Centrifugation principle and its types. • Introduction to the principle of chromatography. • Paper chromatography, thin layer chromatography, column chromatography: silica and gel filtration, • affinity and ion exchange chromatography, gas chromatography, • HPLC.	08	Blackboard teaching and Group discussion
		B.Sc. Part III	Paper 1	Unit IV • IPR. • Global environmental problems. General introduction • Ozone depletion, • Acid rain • Green house effect.	08	Blackboard teaching and Group discussion
		B.Sc. Sem. I	SEC	• Methods of Enzyme Production: Traditional Methods, Chemical Methods, Biological Methods (Microbiological Methods). • Immobilization of enzymes-Methods and Applications.	08	Blackboard teaching and Group discussion
		M.Sc.	**MBT103:**	**Unit III**	16	Power point

		I Sem	**Paper-III Biomolecules**	• **3.1 Nucleic acid chemistry:** denaturation of nucleic acid, hybrid formation of nucleic acid from different species, non-enzymatic transformation of nucleotides and nucleic acid, DNA Sequencing (Maxam Gilbert and Sanger's Method). • **3.2 Pentose Phosphate Pathaway:** Oxidative and Non-oxidative phase, Regulation of PPP, Biological significance. • **3.3 Metabolism of Acylglycerol:** Biosynthetic pathway (Synthesis of Phosphatidic acid and Acylglycerol), Regulation of acylglycerol synthesis. Sphingolipids: Biosynthetic pathway, Sphingolipids metabolism in pathogenesis of human diseases, Regulation of pathway. • **3.4 Integration of metabolism:** Tissue specific metabolism, Hormonal regulation of metabolism, Obesity and regulation of body mass, Metabolic Syndrome.		presentation, e-content, Blackboard teaching and Group discussion.
		M.Sc. III Sem	Paper I **MBT 301 - : Instrumentation, Nano-Biotechnology and Drug Designing**	Unit I • Fluorescence spectroscopy • Electron spin resonance • Atomic absorption spectroscopy. • NMR spectroscopy: basic principle, parameters and application.	12	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem III	Paper I **MBT 301 - : Instrumentation, Nano-Biotechnology and Drug Designing**	**Unit II:** 2.1 Electron microscopy: TEM, SEM , Preparation of specimen, atomic force microscopy. 2.2 X ray crystallography: crystal and symmetries, x ray diffraction, x ray data collection, structure solution. 2.3 FTIR, Mass Spectroscopy, Raman Spectra. 2.4 Some useful techniques in biology: ELISA, Zetapotential/ECSA/EDAx, Cryo-preservation, Lyophilization,	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				Sonication.		
	December	BSc Sem I		Exam		
		BSc Sem III		Exam		
		MSc Sem I		Exam		
		MSc Sem III		Exam		
	January	**BSc Sem II**	**DSC and GEC**	**Unit III:** **1. DNA replication.** **2. DNA damage and repair.** **3. Transcription in prokaryotes**	**08**	**Blackboard teaching and Group discussion**
		BSc Sem IV	**DSC and GEC**	**Unit III:** • **Transcription in Eukaryotes** • **PCR: Types, Steps (Denaturation, Annealing and Extension).** • **Applications of PCR.** • **Limitations of PCR**	**08**	**Blackboard teaching and Group discussion**
		B.Sc. Part III	**Paper I**	**Unit 5** **1. Bioreactors and its types.** **2. Fermentation (Lactic acid, Alcohol).** **3. Maintenance of industrial micro organisms.** **4. Food technology : Introduction, Canning, Packing and Food preservation.**	**08**	**Blackboard teaching and Group discussion**
		MSc Sem II	**Paper III: Enzymology MBT 203**	Unit I: **1.1 Enzyme classification and nomenclature: Trivial and Systematic name, EC number, Six classes of enzyme with example and working mechanism.** **1.2 Methods of enzyme assay: Enzyme units, Types of assay, Factors to control in assay. Coenzyme: General information and examples, Non-enzymatic cofactors and cofactors** **1.3 Active site of enzyme and factor affecting enzyme activity (pH,**	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				Temperature, Inhibitors and Substrate Concentration) • **1.4 Isoenzyme and allosteric enzymes**		
		MSc Sem IV	**Paper III: Bioprocess Engineering and Technology** MBT403	Unit I: • **1.1 Introduction to bioprocess engineering:** Isolation, preservation & maintenance of industrial micro-organism • **1.2 Fermentation Media:** Media of industrial fermentation, Inoculums preparation and its maintenance. • **1.3 Kinetics**: Kinetics of microbial fermentation. • **1.4 Industrial Sterilization Methods:** Air & media sterilization.	16	Power point presentation, e-content, Blackboard teaching and Group discussion.
	February	BSc Sem II	DSC and GEC	Unit IV: 1. Genetic code. 2. Translation in prokaryotes 3. Translation in eukaryotes.	08	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Unit V: • Introduction to Genomics, DNA sequencing methods – manual & automated: Maxam & Gilbert and Sangers method. • Recombination: Site Specific recombination. • Transposons	08	Blackboard teaching and Group discussion
		B.Sc. Part III	**Exam**	**February- March**		
		MSc Sem II	**Paper III: Enzymology MBT 203**	**Unit II** **2.1 Enzyme catalysis mechanism**: Acid base catalysis, covalent catalysis, metal ion catalysis, electrostatic catalysis, catalysis through proximity and orientation effect catalysis by preferential transition state binding. **2.2 Transformation of Michelis – Menton Equation:** the double reciprocal plot. **2.3 Enzyme Kinetics:** Kinetic tests for determining inhibition mechanism. **2.4 Evidence of enzyme**: transition	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				state complementarities.		
		MSc Sem IV	**Paper III: Bioprocess Engineering and Technology** MBT403	**UNIT II** **2.1 Types of fermentation process:** Batch, fed-batch and Continuous Processes. **2.2 Analysis of Bioreactor Operations:** batch, fed – batch & continuous systems. Stability of microbial reactors, analysis of mixed microbial Populations.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	March	BSc Sem I	DSC and GEC	Unit IV: • Post tranlstional modification of proteins. • Operon concept.	08	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Unit V: 1. Introduction to protein structure, Chemical properties of proteins. 2. Physical interactions that determine the property of proteins. 3. Short-range interactions, electrostatic forces, van der waal interactions, hydrogen bonds, Hydrophobic interactions.	08	Blackboard teaching and Group discussion
		MSc Sem II	**Paper III: Enzymology MBT 203**	**Unit III:** **3.1 Enzyme Production**: Synthesis, recovery, purification and formulation. **3.2 Enzyme Processes**: the evolution from degradation to synthesis. **3.3 Enzyme Biocatalysis:** Catalysis in aqueous and non conventional media. **3.4 Enzyme immobilization**: Techniques, effect of immobilization on kinetic Parameters, principle and industrial application of immobilized enzymes. Enzymes in organized system and cell.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	**Paper III: Bioprocess Engineering and Technology** MBT403	Unit II. **2.3** Specialized bioreactors: • Pulsed, fluidized, • photo bioreactors etc.) **2.4** Measurement & control of bioprocess parameters. • Electrode method • Online & offline	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.

				methods • Computer controlled models		
	April	BSc Sem II	DSC and GEC	Unit I: 1. Growth media for culture of bacteria, 2. Growth media for culture of viruses 3. Growth media for culture of fungal microbes; 4. sterilization.	08	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Unit V: • Determination of sizes (Sedimentation analysis, • gel filteration, SDS-PAGE); • Native PAGE, • Determination of covalent structures – Edman degradation.	08	Blackboard teaching and Group discussion
		MSc Sem II	**Paper III: Enzymology MBT 203**	Unit IV: **4.1 Case Study I:** Protease as catalyst for peptide biosynthesis **4.2 Case Study II**: Synthesis of β lactam antibiotics with protein acylases.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	**Paper III: Bioprocess Engineering and Technology** MBT403	**3.2 Effluent treatment:** DOC & COD treatment & disposal of effluent. • **3.3 Immobilization Techniques:** Whole cell immobilization & their industrial application. • **3.4 Bio-mining:** Use of microbes in mineral beneficiation & oil recovery.	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	May	BSc Sem II	DSC & GEC	Food and water microbes Salmonella Staphyllococcus E.cloi Klebsella	6	Blackboard teaching and Group discussion
		BSc Sem IV	DSC & GEC	Introduction to Proteomics, Analysis of proteomes. 2D-PAGE. Sample preparation, solubilization, reduction, resolution.	6	Blackboard teaching and Group discussion
		BSc Part III		Exam		
		MSc	**Paper III:**	**4.3 Case Study III:**		Powerpoint

		Sem II	**Enzymology MBT 203**	Oxidoreductase an important biocatalyst for green chemistry **4.4 Case Study IV**: Use of aldolases for asymmetric synthesis.		presentation, e-content, Blackboard teaching and Group discussion
		MSc Sem IV	**Paper III: Bioprocess Engineering and Technology** MBT403	Unit III: **3.1 Downstream processing:** introduction, • removal of microbial cells & Solid matter, • precipitation, • filtration, • centrifugation, • cell disruption, • liquid – liquid extraction.		Powerpoint presentation, e-content, Blackboard teaching and Group discussion
	June	Exams				

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Govt. V.Y.T.P.G.Auto. College
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TEACHING PLAN

Subject code: BBT, MBT

Session: 2023-24

Alpanarani Xalxo(September-October), Dinesh Kumar (November- May-June)

Sl. no.	Month	Class	Paper	Name of the Topic	No. of lectures	Method of teaching
1.	July	-	-	-	-	-
2.	August	MSc. III sem.	Paper-III	Plant tissue culture general introduction	1	-
3	September	B.Sc. Sem I				
		B.Sc. Part III	Paper I	Plant tissue culture general introduction, History, scope application	4	Blackboard teaching and Group discussion
		B.Sc. III Sem	DSC	Chromosomal organization , Chromatin structure Chromosome Structure and types Change in Chromosome Structure & Ploidy Histone, DNA, Nucleosome morphology, Change in Chromosome number	8	Blackboard teaching and Group discussion
		M.Sc. I Sem	Paper – II	• Bacteriophage genetics and structure etc. • Mechanism of Bacterial infection • Transduction, Conjugation • Transposons	8	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		M.Sc. III Sem	Paper III	• Plant tissue culture general introduction • Callus and Suspension Culture • Single Cell Culture, viability test . • Embryogeneis in plant tissue culture • Transgeninc in crop improvement	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	October	B.Sc. Sem I	-	-	-	-
		B.Sc. Sem III	DSC	Change in Chromosome number	2	Blackboard teaching and

						Group discussion
		B.Sc. Part III	-	-	-	-
		M.Sc. I	Paper II	• Microbial genomics and proteomics genome sequence projects	4	
		MSc Sem III	Paper III	• Hebicide resistance transgenic plants for crop improvement. • Selectable marker	6	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	November					
		B.Sc. Part III	DSC	• Cellular differentiation	2	Blackboard teaching and Group discussion
		BSc.Sem III	DSC	• Cytogenetics study • Mutation	5	Blackboard teaching and Group discussion
		MSc Sem I	Paper II	• Quorum Sensing	4	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem III	Paper - III	• Viral Resistance Transgenic plant • Disease resistance Transgenic plant • Chloroplast transformation • Plant secondary metabolite	12	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	December	BSc Sem I		Revision and exam		
		BSc Sem III		Revision and exam		
		BSc Part III	Paper I & II	BT genes Effector response Molecular Marker Agrobacterium	8	In classes using power point method
		MSc Sem I		Transformation Revision and exam	2	In classes using power point method

		MSc Sem III		Revision and exam		In classes using power point method
	January					
		BSc. Part III	Paper I	• Ti and Ri Plasmid • Protoplast culture and fusion		
		MSc Sem II	Paper II & IV	• Pollution • Complement system • B-Cell generation, maturation and activation	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	Paper III	• Alcohol production • Biotransformation • Glycerol production	10	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	February	BSc Sem II	DSC and GEC	• Transformation	02	Blackboard teaching and Group discussion
		BSc Sem IV	DSC and GEC	Gene Library Chromosome walking Sedimentation	06	Blackboard teaching and Group discussion
		MSc Sem II	Paper I	B - Cell differentiation, Regulation T – Cell activation, maturation, organization of gene and activation Tannery waste water management Biopesticides	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	Paper II	• Citric acid production • Gluconic acid production • Research methodology in genetic study • Antibiotic production •	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	March	BSc Sem II	DSC and GEC	• Mycoplasma • Bacterial disease	08	Blackboard teaching and Group discussion
		MSc	Paper	• Xenobiotics	08	Powerpoint

		Sem II	I	• Solid waste management		presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	Paper II	• Antibiotic production • Aseptic Technique • Research method of pharmaco-epidemiology study	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	April	BSc Sem II	DSC and GEC	-	-	-
		BSc Sem IV	DSC and GEC	-	-	-
		MSc Sem II	Paper I	• Biology of culture cell • Glutamic acid production • Defined media	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
		MSc Sem IV	Paper II	• Research method of diagnostic study • Waste water treatment	16	Powerpoint presentation, e-content, Blackboard teaching and Group discussion.
	May-Iune	BSc Sem II		Exam		
		BSc Sem IV		Exam		
		BSc Part III		Exam		
		MSc Sem I		Exam		
		MSc Sem III		Exam		

Dinesh

Signature

HOD

Dr. ANIL KUMAR
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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Dr. Govind Prashad Gupta

Class: M.COM SEMESTER - I

Course Type: Theory/ Practical Course Code/

Title: - MANAGERIAL ECONOMICS / Paper – I

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Meaning and definition of Managerial Economics, Nature and Scope of Managerial Economics, Relationship between Managerial Economics and other subjects, manning, characteristics, function and objective of a firm, theory of firm economic theory and managerial theory.	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1	Role and responsibilities of managerial economists. Fundamental Principles of Managerial Economics incremental, Opportunity cost, Discounting and Equi-marginal principles.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Meaning and definition of demand, individual and market demand function, Law of demand, Determination of demand, Types of demand, Factors effecting the demand,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 2	Elasticity of demand, its meaning and importance, factors influencing, elasticity of demand, Price elasticity, income elasticity and cross elasticity of demand. Uses of elasticity in managerial decisions.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Meaning and definition of cost, types of cost, short and long run cost function their nature, shape and interrelationship,	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 3	Cardinal utility analysis (approach), Indifference curve analysis (approach), Revealed preference and theory of consumer choice under risk, Demand estimation for major consumer durable and non durable products, Demand forecasting techniques.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Production function-production with one and	11	(1) Chalk and talk

		two variable inputs, stages of production, Economics of scale, Estimation of production function, Law of returns to scale. Law of variable proportion-law of increasing return, law of constant returns, law of diminishing returns, Causes of operation of the law of diminishing returns, importance of law of diminishing returns.		(2) Assignment (3) Group Discussion (4) Class Test



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22-23 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: -Dr. Pradeep Jangde

Class: M.COM SEMESTER - I

Course Type: Theory/ Practical Course Code/

Title: - STATISTICAL ANALYSIS /Paper – II

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Definition of statistics, characteristics of statistics. Distrust, user and importance of statistics. Types of data- primary data and secondary data, Direct Personal Investigation, Indirect Personal Investigation, Questionnaire & Schedule, Collection of Secondary data, Measurement of central tendency.	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1 &2	Type of Mean- Arithmetic Mean, Mode, Median, Geometric Mean, Harmonic Mean, Quartiles, Deciles, Percentiles. Measurement of dispersion-Range, Coefficient of Range, Quartile Deviation, Coefficient of quartile Deviation,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Mean Deviation and its coefficient, standard deviation, coefficient of variation, Karl Pearson's coefficient of skewness, Bowley's coefficient of skewness.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 3	Probability Theory: Meaning of probability, Addition and Multiplication theorem of probability, probability model, Conditional probability, Bay's theorem, Mathematical Expectation, inverse probability, Bernoulli's theorem of probability.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Interpolation & extrapolation – Binomial, Newtons & LaGrange's methods.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	Probability Distributions: Binominal, Poisson's and normal distribution and its application.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Statistical decision theory: Decision environment, expected profit under- certainty	11	(1) Chalk and talk (2) Assignment

		and assigning probabilities, Utility Theory.		(3) Group Discussion (4) Class Test

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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: -Dr. S.N. Jha

Class: M.COM SEMESTER - I

Course Type: Theory/ Practical Course Code/

Title: - Corporate Financial Accounting Paper – III

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Accounting for issue and redemption of shares: Share meaning, nature of types, procedure for share issue, issue of share at per premium, and discount, forfeiture of share and their reissue, redemption of preference shares.	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1	Accounting for issue and redemption of Debenture. Issue of Debentures; Debentures as collateral security, Interest on debentures and income tax thereon, methods of redemption of debenture. Sinking Fund & Sinking Fund insurance policy.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Final Account and Financial of companies: Final account of companies, profit and loss account, Balance sheet. Essentials of a good financial statement, Function and Importance of Financial statement.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 3	Accounting for holding and subsidiary Companies: Computation of capital reserve goodwill, minority interest, record of minority, interest	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Accounting records in the books of holding company intercompany transaction Consolidated profit and loss account.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	Voyage accounts: Accounting record for mining royalties in connection with brick making, royalties in connection with oil wells.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Royalty in connection with patents copy right Royalties, Voyage account.	11	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test



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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: -Dr. H.P.S Saluja

Class: M.COM SEMESTER - I

Course Type: Theory/ Practical Course Code/

Title: - PRINCIPLES & PRACTICE OF INSURANCE /Paper – IV

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Origin & Development of Insurance, Nature of Insurance, Scope and Limitations of Insurance, Advantages and Importance of Insurance, Classification & Organization of Insurance, Functions of Insurance, Types of Insurance, Distinguish between Insurance and Assurance,	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1& 2	Insurance and General Contract, Insurance and Gambling. Basic Principles of Insurance: Principle of Contract, Essentials of Insurance Contract, Principle of Insurance of Contract,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Principle of Insurance Interest, Principle of Utmost Good Faith, Principle of Indemnity, Principle of Subrogation, Principle of Contribution, Principle of Warranties, Principle of Proximate Cause, Double Insurance and Reinsurance, Distinguish between Double and Reinsurance, Over and Under Insurance.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 2&3	Distinguish between Double and Reinsurance, Over and Under Insurance. Life Insurance: Introduction, Need, Importance, Process and Classification of Life Insurance, Life Insurance and Annuities	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Conditions of Life Insurance, Computation of Premium and Mortality Tables, Annuity- Meaning, Objective, Advantages & Types, Valuation and Distribution of Profit.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	History of Life Insurance, Organization and Management of Life Insurance Corporation of IndiaCentral Office, Zonal Office, Divisional Office, Branch Office, Regional Organization of Branch Office,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Development Officer, Committees of the Corporation, Working and Progress of LIC of	11	(1) Chalk and talk (2) Assignment

		India, Functions of LIC, Life Insurance Corporation Act 1956, Entry and Privatization of LIC Business in India.		(3) Group Discussion (4) Class Test

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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Ranu Deshlahare

Class: M.COM SEMESTER - I

Course Type: Theory/ Practical Course Code/

Title: - Business Environment / Paper – V

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Concept, significance and nature of business environment, Elements of environment-Internal and External elements, changing dimensions of business environment, Techniques of environmental scanning and monitoring.	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1	Political Environment: Critical Elements of political Environment, Business and political Environment, Overview knowledge of business environment which effects to business.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Significance and elements of economic environment, Economic System and Business Environment, Economic planning in India	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 2&3	Public Sector and Economic development, Economic returns. Govt. Policies: Industrial Policy, Fiscal Policy,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Monetary Policy, EXIM Policy, Liberalization, Privatization and Globalization.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	Competition Act 2002: Introduction, Objectives, Agreements, Abuse of dominant position,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Regulation of combination of enterprises, penalties, Appellate tribunal (power and functions).	11	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test



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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Dr. Govind Prashad Gupta

Class: M.COM SEMESTER - II

Course Type: Theory/ Practical Course Code/

Title: - MANAGERIAL ECONOMICS / Paper – I

Month	Unit/Title	Topic of lecture	No.of lecture	Modes of delivery
July & August	Unit 1 -	Market Condition: Definition of market, classification of market and characteristics different market structures, Equilibrium of firm's price determination and firms' equilibrium in short-run and log run under perfect competition.	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 2	Price Determination: Meaning characteristics and price determination in short run and long run under Monopolistic competition,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2 -	Under Monopoly, Under Oligopoly and duopoly, under Discriminating monopoly.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 3 -	Pricing Practice: Meaning and objective of price policy, factor influencing price policy, method of price determination in practice,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3 –	Pricing of multiple products, price discrimination, international price-disclination, dumping, transfer pricing.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4 -	Business Cycles: Meaning, nature, classification and phase of business cycles, theories of business cycles-Psychological, profit, Monetary, innovation, cobweb, Samuelson and Hicks theories of business cycles, control of business cycles.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4 -	Inflation: Meaning and definition characteristics and various types of inflation in terms of demand-pull and cost-push factors, causes of inflation, effects of inflation, measures to control inflation, various motion of inflation.	11	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test

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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Dr. Pradeep Jangde

Class: M.COM SEMESTER - II

Course Type: Theory/ Practical Course Code/

Title: - STATISTICAL ANALYSIS /Paper – II

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1 -	Sampling and data collection: Sampling (Probability & non-Probability) methods, Sampling and Non-Sampling errors, Laws of large numbers and central limit. Theorem Sampling distribution and their characteristics.	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1	Correlation: Karl Pearson's coefficients of correlation, probable errors, standard errors spearman's coefficient of co-Relation, concurrent deviation method of correlation, Calculation of correlation by least square method.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Statistical estimating and testing point of interval estimating of population mean and variance. Statistical testing hypothesis and errors, sample size, large and small sample – T test, F test and Z test. Chi-square test	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 2& 3	Singe test, welcoxonsigne test, Rank test, Wald-Walfawing test, Cuscal Walls test. Regression analysis – Two valuable, regression, trend values. Index number – Meaning types,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Weighted aggregate Index, Fisher Ideal formula of index number, Time and factor reversal test special problem of shifting base, splicing overlapping index.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4 -	Statistical quality control: Causes of variation in quality characteristics, quality control charts-purpose and logic constructing control chart.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4 -	Computing the control limits (X and R charts), Process under control and out of control. Association of attributes (Two attributes only)	11	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test



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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Dr. S.N. Jha

Class: M.COM SEMESTER - II

Course Type: Theory/ Practical Course Code/

Title: - Corporate Financial Accounting Paper – III

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Valuation of goodwill and shares, Concepts of goodwill, valuation goodwill accounting characteristics of goodwill, method of valuation of goodwill,	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 1	Average profit method, super profit method, capitalization method, annuity method, method of valuation of share, assets valuation method, Yield method, Earning method.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Accounting relating to Amalgamation: Yield valuation method Accounting relating to Amalgamation of companies as per AS-14.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 3	Accounting relating to absorption and reconstruction of companies, Method of absorption,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Entries in purchaser company book entries in Vendor Company books preparation of balance sheet in new company. Internal reconstruction, External reconstruction	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	Accounting relating to liquidation of companies, Meaning, voluntary liquidation of companies. Windup under supervision of the court, compulsory winding up. Liquidator statement of account.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4 -	Investment accounts: Types of Investment, Purchase and sales of Securities Investment account cum Interest, Ex interest cum dividend purchase and sale, ex dividend purchase of sales.	11	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test



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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Dr. H.P.S Saluja

Class: M.COM SEMESTER - II

Course Type: Theory/ Practical Course Code/

Title: - PRINCIPLES & PRACTICE OF INSURANCE /Paper – IV

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Introduction of Fire Insurance: Meaning, Scope, Types, Functions and Importance of Fire Insurance, Physical & Moral Hazards in Fire Insurance, Determination & Procedure of Premium in fire insurance, Settlement of the Claims of Fire Insurance Policy, Fire Insurance Contract, Procedure for enforcing fire insurance, Conditions of Fire Insurance,	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 2	Introduction of Marine Insurance: Meaning, Scope, Subject matter, Main Conditions of Marine Insurance, Procedure of taking Marine Insurance Policy,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Types & Conditions of Marine Insurance, Marine Losses, Determination of Premium in Marine Insurance, Returns of Premium, Settlement of Claims in Marine Insurance.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 3	Introduction of Miscellaneous Insurance: Motor Insurance, Personal Accident Insurance, Fidelity Guarantee Insurance, Group Insurance and Salary Saving Scheme, Workmen's Compensation Insurance, Burglary Insurance,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Cattle Insurance, Crop Insurance, Export Risk Insurance, Third Party Liability Insurance, Engineering Insurance, Plate-Glass Insurance, Aviation Insurance and other various forms of Miscellaneous Insurance.	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	Introduction of General Insurance Corporation of India: Functions, Work Progress and Achievement of the Corporation, Nationalization of General Insurance in India, Argument in Favor and Against of Nationalization,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Operation and Management of Nationalized General Insurance Companies, Suggestion for	11	(1) Chalk and talk (2) Assignment

		Success of Nationalization, Insurance Agents- Meaning, Types, Duties, Rights, Functions & Prohibitions Functions of an Insurance Agent, Disqualification of Agent.		(3) Group Discussion (4) Class Test



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2023-24 Teaching Plan

Academic Year: 2023-24

Name of Department: COMMERCE

Name of Teacher: - Ranu Deshlahare

Class: M.COM SEMESTER - II

Course Type: Theory/ Practical Course Code/

Title: - Business Environment / Paper – V

Month	Unit/ Title	Topic of lecture	No. of lecture	Modes of delivery
July & August	Unit 1	Meaning and elements of socio - cultural environment, social institution and system, social values and attitudes, social group Dualism in Indian society and problems of uneven income distribution. Technological environment in India	12	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
September	Unit 2	Business Ethics and morality: Meaning, Characteristics and principal of Business Ethics, Importance of Business Ethics,	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
October	Unit 2	Scope of Business Ethics, Morality- Meaning Characteristics Difference between business ethics and morality.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
November	Unit 3	Multinational corporation, foreign collaborations and Indian business, nonresident investment in India.	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
December	Unit 3	Foreign Trade Policy &Foreign Trade and economic development. Patent Law	13	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
January	Unit 4	International Economic Institute – WTO, World Bank, I.M.F. Organization, Objectives and Importance to India, Impact of Indian Rupees devaluation	14	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test
February	Unit 4	Policy on research and development; SAARC, OPEC, ASEAN – organization and objectives.	11	(1) Chalk and talk (2) Assignment (3) Group Discussion (4) Class Test



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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Dr. Pradeep Jangde

Class: B.Com Semester III

Course Code/ Title:BCOCC301/CORPORATE ACCOUNTING

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**Introduction:** Element and concept of Cost, Classification (As per AS-1) Importance of Cost Accounting; Cost Accounting Vs Financial Accounting; Limitations of Cost Accounting.Material inventory, control and valuation.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**Labour cost** - Factor affecting Labour Cost, Labour cost control **Overheads-** Types of Overheads and Methods of Absorption of Overheads	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	Method of wage payment (incentive scheme). **Unit Costing:** Concept of and Need for Unit Costing; Preparation of Cost Sheet and Tender Price; job, batch and Contract Costing:	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3&4	Preparation of Contract Account, Determination of Profit on Completed and Uncompleted Contracts.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**Process Costing:** Preparation of Process Accounts; Treatment of Normal and Abnormal Wastage	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Treatment of Joint Product and By-product. Operating costing (Transport and hotel costing)	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	**Cost Records:** integral and non- integral system, Preparation of Reconciliation Statement, Break Even Point, Marginal Costing	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz



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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Dr. H.P.S Saluja

Class: B.Com Semester III

Course Code/ Title:BCOCC302/COST ACCOUNTING

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	Issues, forfeiture and re-issue of Shares, redemption of preference shares, issues and redemption of debentures.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**Final accounts as per company act 2013, Winding up of Companies:** Concept of Winding up of Companies; Order of Payment; Preparation of Statement of Affairs	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	Preparation of Deficiency Account; Preparation of Liquidator's Final Statement of Account, **Valuation of Goodwill and Shares.** Average Profits method (simple and weighted average);	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3&4	Super Profits Method (purchase and annuity method); Capitalisation Method. Share Valuation Method – Asset method, Income method and Market method.**Accountingfor Amalgamation of Companies:** Concept of Amalgamation and Absorption	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	AS 14 and Types of Amalgamation; Purchase Consideration; **Accounting for Reconstruction of Companies:** Concept of Reconstruction; Need for Reconstruction	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Types of Reconstruction- External Reconstruction and Internal Reconstruction.**Holding Company Accounts**: Concept of Holding Company; Concept of Subsidiary Company;	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	Provisions under Companies Act, 2013; Minority Interest; Cost of Control; AS 21 and Preparation of Consolidated Balance Sheet.(excluding intercompany transaction)	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Ranu Deshlahre

Class: B.Com Semester III

Course Code/ Title:BCOCC303/COMPANY LAW

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**Introduction** Meaning and characteristics of a company; Lifting of corporate veil; Administration of CompanyLaw [including National Company Law Tribunal (NCLT), National Company Law AppellateTribunal (NCLAT), Special Courts];Types of companies Associationnotforprofit;Illegalassociation;Formationofcompany,promoters,theirlegalpositionandpreincorporationcontracts; Onlineregistration ofacompany	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	MemorandumofAssociationanditsalteration,ArticlesofAssociationanditsalteration,doctrine of constructive notice, doctrine of ultra vires and indoor management; Prospectus, Shelfand Red herring prospectus,	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	misstatement in prospectus; Allotment and Forfeitured share, Sweat Equity, ESOPs, Bonus issue, and Further issue of shares, buyback and provisionsregardingbuyback; Membership ofcompany. Classificationofdirectors-Additional,AlternateandCasualdirectors,Womendirectors,Independentdirector, Smallshareholder'sdirector	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3&4	DirectorIdentityNumber(DIN);Appointment, Disqualifications, Removal of directors; Legal positions, Powers and Duties; Keymanagerial personnel, Managing director, Manager and Whole Time Director	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 3,4	Board Meetings:meeting through video conferencing; Shareholder meetings: AGM and EGM. Convening andConductofmeetings:Requisitesofavalidmeeting i.g. notice, quorum, proxy,minutes,Resolutions;Resolutions; Postalballot;e-voting. Borrowing power, mortgages and charges, debentures Oppression	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4	mismanagement right to apply Power of Tribunal, Concept And modes of Winding Up.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	**TheDepositoriesAct1996** Definitions; Depositories system; Rights and obligations of depositories; Participants issuers andbeneficialowners;Inquiryand inspections;Penalty.	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Nutan Deshmukh

Class: B.Com, Semester III

Course Code/ Title:BCOCC305/E-COMMERCE

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**IntroductiontoE-Commerce:** Concepts and significance of E-commerce, driving forces of E-commerce. E-commerce businessmodels - key elements of a business model and categories. Mechanism Dynamics of World WideWeb and internet- evolution and features; Design and launch of E-commerce website - decisionsregardingSelectionofhardwareandsoftware;Outsourcingvsinhousedevelopmentofawebsite.	6	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**OnlineBusinessTransactions:** Rationaleoftransactingonline,E-commerceapplicationsinvariousindustries(banking,insurance, payment of utility bills and others), e-marketing, e-tailing	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2& 3	online services, e-auctions,onlineportal, online-learning, e-publishing and e-entertainment, onlineshopping. **IT Act, 2000 and Cyber Crimes:** IT Act 2000: Definitions, types of cybercrimes, measures to decrease cybercrimes,	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3& 4	Digital signatures certificates, Duties of subscribers. Penalties and adjudication. Appellate Tribunal, Offences and Cyber-crimes	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**Process Costing:** Preparation of Process Accounts; Treatment of Normal and Abnormal Wastage. **E-paymentSystem:** E-paymentMethods-Debitcard,Creditcard,Smartcards,E-Money,E-Wallets;Digitalsignatures-proceduresandlegalposition;Paymentgateways;	5	1.Chalk and talk method 2. Group discussion 3. Smart class Room

				4. Problem Solving 5. Assignment and Quiz
January	Unit 4& 5	Onlinebanking-concepts,importance;Electronicfundtransfer;Emerging modes and systems of E-payment (M-Paisa, PayPal and other digital currency).E-paymentsrisks.	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	**SecurityandLegalAspectsofE-commerce:** E-commerce security – meaning and issues. Security threats in the E-commerce environment-security intrusions and breaches, attacking methods like hacking, sniffing, cyber-vandalism etc.;	3	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Mr. Somnath Dansena

Class: B.Com Semester IV

Course Code/ Title:BCOCC401/BUSINESSSTATISTICS

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**DescriptiveStatistics:** Introduction, meaning, type of data, Collection of data, MeasuresofCentralTendency, Conceptandpropertiesofmathematicalaveragesincludingarithmeticmean,geometricmeanand harmonicmean. PositionalAveragesincludingModeandMedian(andotherpartitionvalues-quartiles,deciles,and percentiles).	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**MeasuresofDispersion and Skewness:** MeasuresofDispersion:absoluteandrelative. Range,quartiledeviation,meandeviation,standarddeviation,andtheircoefficients;Propertiesofstandard deviation/variance. Skewness: Meaning and Measurement (Karl PearsonandBowley's measures).	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 3	**CorrelationandRegressionAnalysis:** **Correlation Analysis:** Meaning and types of Correlation; Karl Pearson'scoefficient of correlation and Spearman's Rank co-efficient of correlation: computation and properties.Probable andstandarderrors; Rank correlation.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3	**Regression Analysis:** Principle of least squares and regression lines; Regression equationsand estimation; Properties of regression coefficients; Relationships between Correlation andRegressioncoefficients;Standard ErrorofEstimate.	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**IndexNumbers:** Meaning and uses of index numbers; Construction of Index numbers: fixed and chain base,Univariate and composite; Methods of constructing Index numbers:	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room

				4. Problem Solving 5. Assignment and Quiz
January	Unit 4& 5	Fisher's ideal price index, Laspeyres index and Pasche index **ProbabilityandProbabilityDistributions:** Theoryandapproachesofprobability	12	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	ProbabilityTheorems:AdditionandMultiplication. Combination and permutation	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz



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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Dr. Govind Prasad Gupta

Class: B.Com Semester IV

Course Code/ Title:BCOCC402/PRINCIPAL OF BUSINESS MANAGEMENT

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	Introduction: Concept, nature, process, and significance of management; management roles (Mintzberg); An overview of functional areas of management; Development management thought; F.W.Taylor and Henry Fayol Approaches.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	Planning Concept, process and types. Decision making concept and Bounded rationality; Management by objectives; Strategy formulation. Organizing	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit2& 3	Concept, nature, process and significance; Delegation of Authority; Centralization and decentralization.Organizing: Concept, nature, process and significance; Delegation of Authority; Centralization and decentralization.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 4	Motivating and Leading People at work; Motivation concept; Theories Maslow's need hierarchy	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	Herzberg, and McGregor; Financial and non- financial incentives. Leadership concept and leadership styles	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	; Leadership theoriesManagerial Control Concept and process; Effective control system; Technique of control	12	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	traditional and modern. Management of Change: Concept, nature, and process of planned Resistance to change;	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Priya Agrawal

Class: B.Com, Semester IV

Course Code/ Title:BCOCC403/ENTREPRENEURIAL DEVELOPMENT

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	Introduction: The entrepreneur; Definition; Emergence of entrepreneurial class;Theories of entrepreneurship; Role of socio-economic environment;Characteristics.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	Promotion of a Venture; Opportunities analysis; External environmental analysiseconomic, social and technological; Competitive factors;	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2	Legal requirements for establishment of a new unit and raising of funds; Venture capital sources and documentation required.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3	Entrepreneurial Behaviour: Innovation and entrepreneur, Entrepreneurial behaviour and Psycho-Theories, Social responsibility.	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	Entrepreneurial Development Programs (EDP): EDP, their role, relevance, and achievements	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Role of Government in organizing EDPS; Critical evaluation.Role of Entrepreneur: Role of an entrepreneur in economic growth as an innovator, generation of employment opportunities,	12	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	complementing and supplementing economic growth, bringing about social stability and balanced regional development of industries; Role in export promotion and import substitution, for ex earnings, and augmenting and meeting local demand.	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Nutan Deshmukh

Class: B.Com, Semester IV

Course Code/ Title:BCOCC405/New Venture Planning and Development [SEC]

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**Starting New Ventures** New Venture: Meaning and features. The search for new ideas. Source of innovative ideas. Techniques for generating ideas. Entrepreneurial imagination and creativity: The role of creative thinking. Acquiring an established Venture	6	1.Chalk and talk method 2. Smart Class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**Search for Entrepreneurial Capital** The Entrepreneur's Search for Capital. Criteria for Evaluating New-Venture Proposals	4	1.Chalk and talk method 2. Group discussion 3. Smart Class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	Alternate Sources of Financing for Indian Entrepreneurs. Bank Funding. Government Policy Packages.	4	1.Chalk and talk method 2. Group discussion 3. Smart Class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3	Business Incubators and Facilitators. Informal risk capital: Angel Investors Government schemes for new ventures like: Startup India, Stand Up India, Make in India, etc.	4	1.Chalk and talk method 2. Group discussion 3. Smart Class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**Marketing Aspects of New Ventures** Developing a Marketing Plan	5	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Customer Analysis, Geographical Analysis, And Economical Analysis. **Business Plan Preparation for New Ventures** Business Plan: Concept, Benefits of a	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	Business Plan. Developing a Well- Conceived Business Plan. Elements of a Business Plan.	3	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz



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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Dr. Pradeep Jangde

Class: B.Com Semester III

Course Code/ Title:BCOCC301/CORPORATE ACCOUNTING

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**Introduction:** Element and concept of Cost, Classification (As per AS-1) Importance of Cost Accounting; Cost Accounting Vs Financial Accounting; Limitations of Cost Accounting.Material inventory, control and valuation.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**Labour cost** - Factor affecting Labour Cost, Labour cost control **Overheads-** Types of Overheads and Methods of Absorption of Overheads	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	Method of wage payment (incentive scheme). **Unit Costing:** Concept of and Need for Unit Costing; Preparation of Cost Sheet and Tender Price; job, batch and Contract Costing:	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3&4	Preparation of Contract Account, Determination of Profit on Completed and Uncompleted Contracts.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**Process Costing:** Preparation of Process Accounts; Treatment of Normal and Abnormal Wastage	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Treatment of Joint Product and By-product. Operating costing (Transport and hotel costing)	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	**Cost Records:** integral and non- integral system, Preparation of Reconciliation Statement, Break Even Point, Marginal Costing	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz



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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Dr. H.P.S Saluja

Class: B.Com Semester III

Course Code/ Title:BCOCC302/COST ACCOUNTING

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	Issues, forfeiture and re-issue of Shares, redemption of preference shares, issues and redemption of debentures.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**Final accounts as per company act 2013, Winding up of Companies:** Concept of Winding up of Companies; Order of Payment; Preparation of Statement of Affairs	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	Preparation of Deficiency Account; Preparation of Liquidator's Final Statement of Account, **Valuation of Goodwill and Shares.** Average Profits method (simple and weighted average);	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3&4	Super Profits Method (purchase and annuity method); Capitalisation Method. Share Valuation Method – Asset method, Income method and Market method.**Accountingfor Amalgamation of Companies:** Concept of Amalgamation and Absorption	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	AS 14 and Types of Amalgamation; Purchase Consideration; **Accounting for Reconstruction of Companies:** Concept of Reconstruction; Need for Reconstruction	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Types of Reconstruction- External Reconstruction and Internal Reconstruction.**Holding Company Accounts**: Concept of Holding Company; Concept of Subsidiary Company;	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	Provisions under Companies Act, 2013; Minority Interest; Cost of Control; AS 21 and Preparation of Consolidated Balance Sheet.(excluding intercompany transaction)	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

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Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Ranu Deshlahre

Class: B.Com Semester III

Course Code/ Title:BCOCC303/COMPANY LAW

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**Introduction** Meaning and characteristics of a company; Lifting of corporate veil; Administration of CompanyLaw [including National Company Law Tribunal (NCLT), National Company Law AppellateTribunal (NCLAT), Special Courts];Types of companies Associationnotforprofit;Illegalassociation;Formationofcompany,promoters,theirlegalpositionandpreincorporationcontracts; Onlineregistration ofacompany	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	MemorandumofAssociationanditsalteration,ArticlesofAssociationanditsalteration,doctrine of constructive notice, doctrine of ultra vires and indoor management; Prospectus, Shelfand Red herring prospectus,	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	misstatement in prospectus; Allotment and Forfeitured share, Sweat Equity, ESOPs, Bonus issue, and Further issue of shares, buyback and provisionsregardingbuyback; Membership ofcompany. Classificationofdirectors-Additional,AlternateandCasualdirectors,Womendirectors,Independentdirector, Smallshareholder'sdirector	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3&4	DirectorIdentityNumber(DIN);Appointment, Disqualifications, Removal of directors; Legal positions, Powers and Duties; Keymanagerial personnel, Managing director, Manager and Whole Time Director	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 3,4	Board Meetings:meeting through video conferencing; Shareholder meetings: AGM and EGM. Convening andConductofmeetings:Requisitesofavalidmeeting i.g. notice, quorum, proxy,minutes,Resolutions;Resolutions; Postalballot;e-voting. Borrowing power, mortgages and charges, debentures Oppression	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4	mismanagement right to apply Power of Tribunal, Concept And modes of Winding Up.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	**TheDepositoriesAct1996** Definitions; Depositories system; Rights and obligations of depositories; Participants issuers andbeneficialowners;Inquiryand inspections;Penalty.	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Nutan Deshmukh

Class: B.Com, Semester III

Course Code/ Title:BCOCC305/E-COMMERCE

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**IntroductiontoE-Commerce:** Concepts and significance of E-commerce, driving forces of E-commerce. E-commerce businessmodels - key elements of a business model and categories. Mechanism Dynamics of World WideWeb and internet- evolution and features; Design and launch of E-commerce website - decisionsregardingSelectionofhardwareandsoftware;Outsourcingvsinhousedevelopmentofawebsite.	6	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**OnlineBusinessTransactions:** Rationaleoftransactingonline,E-commerceapplicationsinvariousindustries(banking,insurance, payment of utility bills and others), e-marketing, e-tailing	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2& 3	online services, e-auctions,onlineportal, online-learning, e-publishing and e-entertainment, onlineshopping. **IT Act, 2000 and Cyber Crimes:** IT Act 2000: Definitions, types of cybercrimes, measures to decrease cybercrimes,	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3& 4	Digital signatures certificates, Duties of subscribers. Penalties and adjudication. Appellate Tribunal, Offences and Cyber-crimes	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**Process Costing:** Preparation of Process Accounts; Treatment of Normal and Abnormal Wastage. **E-paymentSystem:** E-paymentMethods-Debitcard,Creditcard,Smartcards,E-Money,E-Wallets;Digitalsignatures-proceduresandlegalposition;Paymentgateways;	5	1.Chalk and talk method 2. Group discussion 3. Smart class Room

				4. Problem Solving 5. Assignment and Quiz
January	Unit 4& 5	Onlinebanking-concepts,importance;Electronicfundtransfer;Emerging modes and systems of E-payment (M-Paisa, PayPal and other digital currency).E-paymentsrisks.	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	**SecurityandLegalAspectsofE-commerce:** E-commerce security – meaning and issues. Security threats in the E-commerce environment-security intrusions and breaches, attacking methods like hacking, sniffing, cyber-vandalism etc.;	3	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Mr. Somnath Dansena

Class: B.Com Semester IV

Course Code/ Title:BCOCC401/BUSINESSSTATISTICS

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**DescriptiveStatistics:** Introduction, meaning, type of data, Collection of data, MeasuresofCentralTendency, Conceptandpropertiesofmathematicalaveragesincludingarithmeticmean,geometricmeanand harmonicmean. PositionalAveragesincludingModeandMedian(andotherpartitionvalues-quartiles,deciles,and percentiles).	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**MeasuresofDispersion and Skewness:** MeasuresofDispersion:absoluteandrelative. Range,quartiledeviation,meandeviation,standarddeviation,andtheircoefficients;Propertiesofstandard deviation/variance. Skewness: Meaning and Measurement (Karl PearsonandBowley's measures).	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 3	**CorrelationandRegressionAnalysis:** **Correlation Analysis:** Meaning and types of Correlation; Karl Pearson'scoefficient of correlation and Spearman's Rank co-efficient of correlation: computation and properties.Probable andstandarderrors; Rank correlation.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3	**Regression Analysis:** Principle of least squares and regression lines; Regression equationsand estimation; Properties of regression coefficients; Relationships between Correlation andRegressioncoefficients;Standard ErrorofEstimate.	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**IndexNumbers:** Meaning and uses of index numbers; Construction of Index numbers: fixed and chain base,Univariate and composite; Methods of constructing Index numbers:	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room

				4. Problem Solving 5. Assignment and Quiz
January	Unit 4& 5	Fisher's ideal price index, Laspeyres index and Pasche index **ProbabilityandProbabilityDistributions:** Theoryandapproachesofprobability	12	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	ProbabilityTheorems:AdditionandMultiplication. Combination and permutation	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz



Signature of the Teacher



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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Dr. Govind Prasad Gupta

Class: B.Com Semester IV

Course Code/ Title:BCOCC402/PRINCIPAL OF BUSINESS MANAGEMENT

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	Introduction: Concept, nature, process, and significance of management; management roles (Mintzberg); An overview of functional areas of management; Development management thought; F.W.Taylor and Henry Fayol Approaches.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	Planning Concept, process and types. Decision making concept and Bounded rationality; Management by objectives; Strategy formulation. Organizing	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit2& 3	Concept, nature, process and significance; Delegation of Authority; Centralization and decentralization.Organizing: Concept, nature, process and significance; Delegation of Authority; Centralization and decentralization.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 4	Motivating and Leading People at work; Motivation concept; Theories Maslow's need hierarchy	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	Herzberg, and McGregor; Financial and non- financial incentives. Leadership concept and leadership styles	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	; Leadership theoriesManagerial Control Concept and process; Effective control system; Technique of control	12	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	traditional and modern. Management of Change: Concept, nature, and process of planned Resistance to change;	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

Signature of the Head

23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Priya Agrawal

Class: B.Com, Semester IV

Course Code/ Title:BCOCC403/ENTREPRENEURIAL DEVELOPMENT

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	Introduction: The entrepreneur; Definition; Emergence of entrepreneurial class;Theories of entrepreneurship; Role of socio-economic environment;Characteristics.	12	1.Chalk and talk method 2. Smart class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	Promotion of a Venture; Opportunities analysis; External environmental analysiseconomic, social and technological; Competitive factors;	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2	Legal requirements for establishment of a new unit and raising of funds; Venture capital sources and documentation required.	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3	Entrepreneurial Behaviour: Innovation and entrepreneur, Entrepreneurial behaviour and Psycho-Theories, Social responsibility.	13	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	Entrepreneurial Development Programs (EDP): EDP, their role, relevance, and achievements	14	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Role of Government in organizing EDPS; Critical evaluation.Role of Entrepreneur: Role of an entrepreneur in economic growth as an innovator, generation of employment opportunities,	12	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	complementing and supplementing economic growth, bringing about social stability and balanced regional development of industries; Role in export promotion and import substitution, for ex earnings, and augmenting and meeting local demand.	11	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz

Signature of the Teacher

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23-24Teaching Plan

Academic Year: 2023-24

Name of Department: Commerce

Name of Teacher: Miss Nutan Deshmukh

Class: B.Com, Semester IV

Course Code/ Title:BCOCC405/New Venture Planning and Development [SEC]

Month	Unit/ Title	Topic of Lecture	No. of lecture	Methods/Mode of Delivery
July-August	Unit I	**Starting New Ventures** New Venture: Meaning and features. The search for new ideas. Source of innovative ideas. Techniques for generating ideas. Entrepreneurial imagination and creativity: The role of creative thinking. Acquiring an established Venture	6	1.Chalk and talk method 2. Smart Class Room 3. Problem Solving 4. Assignment and Quiz
September	Unit 2	**Search for Entrepreneurial Capital** The Entrepreneur's Search for Capital. Criteria for Evaluating New-Venture Proposals	4	1.Chalk and talk method 2. Group discussion 3. Smart Class Room 4. Problem Solving 5. Assignment and Quiz
October	Unit 2&3	Alternate Sources of Financing for Indian Entrepreneurs. Bank Funding. Government Policy Packages.	4	1.Chalk and talk method 2. Group discussion 3. Smart Class Room 4. Problem Solving 5. Assignment and Quiz
November	Unit 3	Business Incubators and Facilitators. Informal risk capital: Angel Investors Government schemes for new ventures like: Startup India, Stand Up India, Make in India, etc.	4	1.Chalk and talk method 2. Group discussion 3. Smart Class Room 4. Problem Solving 5. Assignment and Quiz
December	Unit 4	**Marketing Aspects of New Ventures** Developing a Marketing Plan	5	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
January	Unit 4&5	Customer Analysis, Geographical Analysis, And Economical Analysis. **Business Plan Preparation for New Ventures** Business Plan: Concept, Benefits of a	4	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz
February	Unit 5	Business Plan. Developing a Well- Conceived Business Plan. Elements of a Business Plan.	3	1.Chalk and talk method 2. Group discussion 3. Smart class Room 4. Problem Solving 5. Assignment and Quiz



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Teaching Plan

Academic Year 2023-24

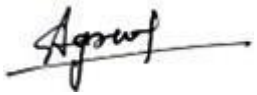
Name of Department: Economics Class: B.Sc.-Ist Semester

Name of the Teacher: Dr. Shikha Agrawal

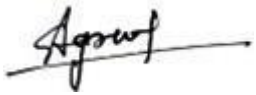
Course Type: Theory Course Code/Title:- BEC-101/Micro Economics- GEC

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	Introduction - Definitions Nature and scope of Economics, Methodology in Economics. Utility-Cardinal and Ordinal approaches, Indifference curve,	22	PDF, Videos, Chalk Duster
August	I	Consumer's equilibrium (Hicks and slutsky), Giffins goods, Demand - Law of Demand, Elasticity of demand - Price,Consumer's surplus, Engel curve.	20	PDF, Videos, Chalk Duster
September	II	Theory of production and cost - Production decision, Production function, Iso-quant, Factor substitution, Law of variable proportions, Returns to scale, Economies of scale,	22	PDF, Videos, Chalk Duster
October	II III	Different concepts of cost and their interrelation, Equilibrium of the firm. Market structure-perfect and imperfect markets, Equilibrium of a firm- Perfect competition, Monopoly and price discrimination.	20	PDF, Videos, Chalk Duster

November	III IV	Monopolistic competition, Duopoly, Oligopoly, controlled and administered prices. Factor pricing-Marginal productivity theory of distribution, Euler's Theorem, Theories of wage determination, wages and collective bargaining.	25	PDF, Videos, Chalk Duster
December	IV	wage differentials, Rent - Scarcity Rent, differential rent, Quasi rent, Modern Rent Theory, Interest Classical and Keynesian Theories, Modern Theory, Profits - Innovation, Risk bearing and Uncertainty theories.	15	PDF, Videos, Chalk Duster



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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:M.A.- Sem-1

Name of the Teacher: Dr.Shikha Agrawal

Course Type: Theory Course Code/Title:- MEC-101/Micro-Economics

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	Introduction & Demand Analysis economics model characteristics of equilibrium and Disequilibrium system theory of demand analysis – Cardinal and ordinal approaches. Elasticity of Demand (Price Income & Cross) Empirical estimation of Elasticity	22	PDF, Videos, Assignment, Surprise Test, Chalk Duster
August	I	Elasticity of supply.Indifference curve – Income & substitution effect, Hicks and Slutsky theorem revealed preference theory, Hicks and Slutsky theorem revealed preference theory, Hicks's Revision of Demand, Hicksian Consumers surplus.	20	PDF, Videos, Assignment, Surprise Test, Chalk Duster
September	II	Returns to a factor and returns to scale, Technical programs and the production function, choice of optimal combination of factors of production, choice of optimal expansion path, cob Douglas production function.	22	PDF, Videos, Assignment, Surprise Test, Chalk Duster

October	III	Theory of cost and Revenue analysis, short-rum costs Long term costs, Marginal analysis as an approach to price and output determination, equilibrium of firm in perfect competition,	20	PDF, Videos, Assignment, Surprise Test, Chalk Duster
November	III IV	Monopoly short run and long run equilibriums, price discrimination, welfare aspect monopoly control and regulation. Monopolistic Competition – Chamberlin's approaches to equilibrium of the firms under groups with product differentiation and selling cost,	25	PDF, Videos, Assignment, Surprise Test, Chalk Duster
December	IV	Excess capacity, critique oligopoly – non- collusive- Chamberlin's oligopoly model, The kinked demand model. The collusive oligopoly – Cartel, price leadership the basic point price system models.	15	PDF, Videos, Assignment, Surprise Test, Chalk Duster

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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:M.A.-Sem-II

Name of the Teacher: Dr.Shikha Agrawal

Course Type: Theory Course Code/Title:- MEC-201/Micro-Economic Analysis

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
Jan	I	Critical evaluation of marginal analysis, Baumel's sales revenue maximization model, Williamson's model of managerial discretion, Morris model of managerial enterprises. Full cost pricing rule, Bains limit pricing theory and its recent developments, including Behavioural model of the firm.	27	PDF, Videos, Chalk Duster, Notes
February	II	NEO-Classical Approach of Distribution and General Equilibrium Marginal productivity theory, product Exhaustion theorem, Elasticity of Technical substitution, technical progress and factor shares,	23	PDF, Videos, Chalk Duster, Notes
March	II	Theory of distribution in imperfect product and factor markets, Determinants of rent, wages, interest and profit. (Only modern Theory)	26	PDF, Videos, Chalk Duster

	III	Problems in measuring welfare - classical welfare economics – Pigovian Welfare economics,		
April	III IV	Pareto optimal conditions value-judgment. Social welfare function: compensation principle Kaldor, Hicks. Inability to obtain optimum welfare-imperfections market, Little theory. Partial and General Equilibrium,	22	PDF, Videos, Chalk Duster
May	IV	Walrasian Excess Demand and input-output approaches to general equilibrium (static and Dynamical both). Taxation and equilibrium of a firm.	20	PDF, Videos, Chalk Duster

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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:M.A.-Sem-III

Name of the Teacher: Dr.Shikha Agrawal

Course Type: Theory Course Code/Title:- MEC-303/Public Finance

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	Definition Nature and Evaluation of Public Finance, Principles of Maximum Social Advantages, Taxation – Different Forms, Principles of Taxation, Shifting, Effects and Incidence of Taxation, Impact of Tax Under Laws of Returns and Perfect Competition.	22	PDF, Videos, Chalk Duster, Notes
August	II	Definition Nature and Evaluation of Public Finance, Principles of Maximum Social Advantages, Taxation – Different Forms, Principles of Taxation, Shifting, Effects and Incidence of Taxation, Impact of Tax Under Laws of Returns and Perfect Competition.	20	PDF, Videos, Chalk Duster, Notes
September	III	Public Expenditure :- Different Forms of Expenditure, Structure and Growth of Public Expenditure in India, Trends in Central Government Expenditure,	22	PDF, Videos, Chalk Duster, Test

October	III	Economic Effect of Public Expenditure on Production and Distribution. Public Expenditure and Economic Growth. Pure Theory of Public Expenditure or Theory of Social Good's.	20	PDF, Videos, Chalk Duster
November	IV	Public Debt – Different Sources of Public Debt Redemption of Public Debt, Principle of Public Debt Management and payment of Public Debt,	25	PDF, Videos, Chalk Duster
December	IV	Growth of Public Debt in India. Burden of Public Debt.	20	PDF, Videos, Chalk Duster

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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:M.A.-Sem-IV

Name of the Teacher: Dr.Shikha Agrawal

Course Type: Theory Course Code/Title:- MEC-403/Public Economics

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
Jan	I	Fiscal Policy – Objectives of Fiscal Policy, Theory of Fiscal Policy. Policy in Under – Development Countries, Economic Stability and Fiscal Policy, Fiscal Policy and Full Employment, Fiscal Policy and Economic Development - : A Study in Development Finance.	27	PDF, Videos, Chalk Duster
February	II	Federal Finance – Principle of Federal Finance in India, Centre – State Financial Relation, Resource Transfer From Centre to States, Godgil's Formula. Fourteen Finance Commission.	23	PDF, Videos, Chalk Duster, Group Discussion
	III	Budget – Budget Process in India, Objections of Budget, Kinds of Budget – Traditional Budget		
March	III	Performance Budget, Zero Based Budget, Out-Come Budget, Gender Budget, Budget Theory – Classical	26	PDF, Videos, Chalk Duster,

		Viewpoint. Balance Budget, Modern View Point, Imbalanced Budget.		Seminar
April	IV	Analysis of Centre & Chhattisgarh Govt., Budget.Taxable and Non Taxable Income Of Chhattisgarh, Structure and Growth of Public Expenditure in Chhattisgarh.Financial Responsibilities and Budget Management Act,	22	PDF, Videos, Chalk Duster
May	IV	Performance of the Chhattisgarh Government. Budget, Plan & Non Plan Expenditure in Chhattisgarh	15	PDF, Videos, Chalk Duster

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TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS(DSC)**

NAME OF TEACHER: **DR. ANSHUMALA CHANDANGAR** CLASS:**B.A. FIRST semester**

COURSE TYPE: THEORY/MICRO ECONOMICS COURSE CODE:**BEC01**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
SEPTEMBER	UNIT -I	• NATURE AND SCOPE OF ECONOMICS • METHODOLOGY IN ECONOMICS • IMPORTANCE AND LIMITATIONS OF ECONOMICS • INDIFFERENCE CURVE ANALYSIS • UTILITY: CONCEPT OF UTILITY • APRROACHES TO UTILITY: • CARDINAL AND ORDINAL UTILITY • KINDS OF UTILITY:MU/TU/AU • LAW OF MARGINAL UTILITY • EXCEPTIONS OF LAW OF DIMINISHING MARGINAL UTILITY	24	CHALK DUSTER
OCTOBER	UNIT-I	• LAW OF DEMAND • ELASTICITY OF DEMAND • CONSUMER'S SURPLUS • CHARACTERISTICS OF INDIFFERENCE CURVE • MARGINAL RATE OF TECHNICAL SUBSTITUTION • ENGEL'S CURVE • CONSUMER'S BEHAVIOUR	20	CHALK DUSTER
NOVEMBER	UNIT-I1 &III	• PRODUCTION FUNCTION • ISO-QUANT, FACTOR SUBSTITUTION • LAW OF VARIABLE PROPORTIONS, RETURNS TO SCALE • ECONOMIES OF SCALE, DIFFERENT CONCEPTS OF • COST AND THEIR INTERRELATION • EQUILIBRIUM OF THE FIRM. • MARKET STRUCTURE-PERFECT AND IMPERFECT MARKETS EQUILIBRIUM OF A FIRM-PERFECTCOMPETITION	23	CHALK DUSTER
DECEMBER	UNIT-IV	• MONOPOLY AND PRICE DISCRIMINATION • , MONOPOLISTIC COMPETITION, DUOPOLY, OLIGOPOLY • CONTROLLED AND ADMINISTERED PRICE • CONCEPT OF UTILITY • LAW OF VARIABLE PROPORTIONS • LAW OF DEMAND • ELASTICITY OF DEMAND • PRODUCTION FUNCTION • TYPES OF MARKET	20	CHALK DUSTER
JANUARY		SEMESTER EXAM		

SIGNATURE OF TEACHER SIGNATURE OF HEAD SIGNATURE OF PRINCIPAL

Govt. V.Y.T. P.G. Autonomous College, Durg (C.G.)

TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS(DSC)**

NAME OF TEACHER: **DR. ANSHUMALA CHANDANGAR** CLASS:**B.A.2nd Semester**

COURSE TYPE: THEORY **Indian Economy**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
FEBRUARY	UNIT – I&II	PRE AND POST INDPENDT ECONOMY,FIVE YEAR PLANS ,NITI AYOG, LPG, STRUCTURAL CHANGE	12	CLASSROOM /BLACK BOARD TEACHING
MARCH	UNIT-III	POPULATION AND HUMAN DEVELOPMENT ,HEALTH ,MALNUTRTION, MIGRATION, POVERTY ,UNEMPLOYMENT ,HDI, POVERTY ERADICATION	23	CLASSROOM /BLACK BOARD TEACHING
APRIL	UNIT-III	AGRICULTURE ,PRODUCTION AND PRODUCTIVITY,LAND REFORMS,GREEN REVOLUTION, RURAL CREDIT ,AGRICULTURAL MAKETING,NATURAL RESOURCES. MUDR5A YOJANA	24	CLASSROOM /BLACK BOARD TEACHING
MAY	UNIT-I&II	INDUSTRY GROWTH AND PRODUCTIVITY ,INDUSTRIAL POLICY, REFORMS,SMALL SCALE AND COTTAGE INDUSTRIES, ROLE OF PUBLIC SECTOR ,PERFORMANCES IN SERVICE SECTOR	20	CLASSROOM /BLACK BOARD TEACHING
JUNE	exam			
JULY	EXAM			

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Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.)

TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS(GEC)**

NAME OF TEACHER: **DR. ANSHUMALA CHANDANGAR** CLASS:**B.A. FIRST semester**

COURSE TYPE: THEORY/MICRO ECONOMICS COURSE CODE:**BEC01**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
SEPTEMBER	UNIT -I	• NATURE AND SCOPE OF ECONOMICS • METHODOLOGY IN ECONOMICS • IMPORTANCE AND LIMITATIONS OF ECONOMICS • INDIFFERENCE CURVE ANALYSIS • UTILITY: CONCEPT OF UTILITY • APRROACHES TO UTILITY: • CARDINAL AND ORDINAL UTILITY • KINDS OF UTILITY:MU/TU/AU • LAW OF MARGINAL UTILITY • EXCEPTIONS OF LAW OF DIMINISHING MARGINAL UTILITY	24	CHALK DUSTER
OCTOBER	UNIT-I	• LAW OF DEMAND • ELASTICITY OF DEMAND • CONSUMER'S SURPLUS • CHARACTERISTICS OF INDIFFERENCE CURVE • MARGINAL RATE OF TECHNICAL SUBSTITUTION • ENGEL'S CURVE • CONSUMER'S BEHAVIOUR	20	CHALK DUSTER
NOVEMBER	UNIT-I1 &III	• PRODUCTION FUNCTION • ISO-QUANT, FACTOR SUBSTITUTION • LAW OF VARIABLE PROPORTIONS, RETURNS TO SCALE • ECONOMIES OF SCALE, DIFFERENT CONCEPTS OF • COST AND THEIR INTERRELATION • EQUILIBRIUM OF THE FIRM. • MARKET STRUCTURE-PERFECT AND IMPERFECT MARKETS • EQUILIBRIUM OF A FIRM-PERFECTCOMPETITION	23	CHALK DUSTER
DECEMBER	UNIT-IV	• MONOPOLY AND PRICE DISCRIMINATION • , MONOPOLISTIC COMPETITION, DUOPOLY, OLIGOPOLY • CONTROLLED AND ADMINISTERED PRICE • CONCEPT OF UTILITY • LAW OF VARIABLE PROPORTIONS • LAW OF DEMAND • ELASTICITY OF DEMAND • PRODUCTION FUNCTION • TYPES OF MARKET	20	CHALK DUSTER
JANUARY		SEMESTER EXAM		

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Govt. V.Y.T.P.G. Autonomous College, Durg (C.G.)

TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS(GEC)**

NAME OF TEACHER: **DR. ANSHUMALA CHANDANGAR** CLASS: **B.A. 2nd Semester**

COURSE TYPE: THEORY **Indian Economy**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
FEBRUARY	UNIT – I&II	PRE AND POST INDPENDT ECONOMY,FIVE YEAR PLANS ,NITI AYOG, LPG, STRUCTURAL CHANGE	12	CLASSROOM /BLACK BOARD TEACHING
MARCH	UNIT-III	POPULATION AND HUMAN DEVELOPMENT ,HEALTH ,MALNUTRTION, MIGRATION, POVERTY ,UNEMPLOYMENT ,HDI, POVERTY ERADICATION	23	CLASSROOM /BLACK BOARD TEACHING
APRIL	UNIT-III	AGRICULTURE ,PRODUCTION AND PRODUCTIVITY,LAND REFORMS,GREEN REVOLUTION, RURAL CREDIT ,AGRICULTURAL MAKETING,NATURAL RESOURCES. MUDR5A YOJANA	24	CLASSROOM /BLACK BOARD TEACHING
MAY	UNIT-I&II	INDUSTRY GROWTH AND PRODUCTIVITY ,INDUSTRIAL POLICY, REFORMS,SMALL SCALE AND COTTAGE INDUSTRIES, ROLE OF PUBLIC SECTOR ,PERFORMANCES IN SERVICE SECTOR	20	CLASSROOM /BLACK BOARD TEACHING
JUNE	exam			
JULY	EXAM			

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Govt. V.Y.T. P.G. Autonomous College. Durg (C.G.)

TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS(SEC)**

NAME OF TEACHER: **DR. ANSHUMALA CHANDANGAR** CLASS:**B.A.2nd Semester**

COURSE TYPE: THEORY **Industrial and labour economics**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
FEBRUARY	UNIT – I&II	MEANING ,SCOPE AND SIGNIFICANCE OF INDUSTRIAL ECONOMICS	4	CLASSROOM /BLACK BOARD TEACHING
MARCH	UNIT- III	LABOUR MARKET IN INDIA ,LABOUR PROBLEMS IN INIDA,	4	CLASSROOM /BLACK BOARD TEACHING
APRIL	UNIT- III	INDUSTRIAL POLICY IN INDIA,SECOND LABOUR COMMISSION IN INDIA	4	CLASSROOM /BLACK BOARD TEACHING
MAY	UNIT- IV & V	INDUSTRIAL AND LABOUR LAWS IN INDIA, SOCIAL SECURITY IN INDIA	4	CLASSROOM /BLACK BOARD TEACHING
JUNE	exam			
JULY	EXAM			

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TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS(SEC)**

NAME OF TEACHER: **DR. ANSHUMALA CHANDANGAR** CLASS:**B.A.-IST Semester**

COURSE TYPE: THEORY **NATIONAL POLICIES IN INDIA**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
SEPTEMBER	UNIT – I&II	IMPORT EXPORT POLICY AND EXPORT PROMOTION	4	CLASSROOM /BLACK BOARD TEACHING
OCTOBER	UNIT-III	NEW AGRICULTURAL POLICY	4	CLASSROOM /BLACK BOARD TEACHING
NOVEMBER	UNIT-IV	FISCAL POLICY AND FULL EMPLOYMENT	4	CLASSROOM /BLACK BOARD TEACHING
DECEMBER	UNIT-V	MONETARY POLICY IN INDIA.TOOLS OF MONETARY POLICY.	4	CLASSROOM /BLACK BOARD TEACHING
JANUARY	exam			

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TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT : **ECONOMICS**

NAME OF TEACHER **: DR. ANSUMALA CHANDANGAR** CLASS : **M.A. Ist SEM**

COURSE TYPE :**THEORY** COURSE CODE : **MEC 105**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
JULY	UNIT -I	• CONCEPT AND ORGANIZATION OF A FIRM • OWNERSHIP, CONTROL AND OBJECTIVES OF THE FIRM. • PRODUCT DIFFERENTIATION, ENTRY CONDITIONS, ECONOMICS OF SCALE. • MARKET STRUCTURE AND PROFITABILITY • MARKET STRUCTURE AND INNOVATION • THEORIES OF INDUSTRIAL LOCATION • ALFRED WEBER AND SERGEANT FLORENCE THEORY • FACTORS AFFECTING INDUSTRIAL LOCALIZATION.	27	CLASSROOM /BLACK BOARD TEACHING
AUGUST	UNIT-I &II	• INDUSTRIAL PRODUCTIVITY • EFFICIENCY AND CAPACITY. • INDUSTRIAL POLICY IN INDIA • ROLE OF PUBLIC AND PRIVATE SECTORS • RECENT TRENDS IN INDUSTRIAL GROWTH. • LIBERALIZATION AND PRIVATIZATION, • REGIONAL INDUSTRIAL GROWTH IN INDIA.	22	CLASSROOM /BLACK BOARD TEACHING
SEPTEMBER	UNIT-II &III	• OWNED, EXTERNAL AND OTHER COMPONENTSOF FUNDS, NATURE • VOLUME AND TYPES OF INSTITUTIONAL FINANCE – IDBI, IFCI, SFCS, SIDC • COMMERCIAL BANKS ETC. • FINANCIAL STATEMENT- BALANCE-SHEET. PROFIT AND LOSS ACCOUNT, • ASSESSMENT OF FINANCIAL SOUNDNESS,	22	CLASSROOM /BLACK BOARD TEACHING
OCTOBER		• STRUCTURE OF INDUSTRIALLABOUR, • EMPLOYMENTDIMENSIONS OFINDIANINDUSTRY, • INDUSTRIAL LEGISLATION, • INDUSTRIAL RELATIONS, • EXIT POLICY AND SOCIAL SECURITY. • IRONAND STEEL, COTTON TEXTILES, • JUTE,SUGAR INDUSTRIES • .DEVELOPMENT OF SMALL SCALE AND COTTAGE INDUSTRIES IN INDIA	20	CLASSROOM /BLACK BOARD TEACHING
NOVEMBER	UNIT IV		25	CLASSROOM /BLACK BOARD TEACHING
DECEMBER			22	

CLASS M.A. IInd SEMESTER

COURSE CODE : MEC 205

JANUARY	UNIT -I	• LABOUR MARKET: NATURE AND CHARACTERISTICS OF LABOUR MARKETS IN INDIA • DEFINITION, NATURE,SCOPE&IMPORTANCEOF LABOUR ECONOMICS • THE GENESIS & NATURE OF LABOUR ECONOMICS • LABOUR PROBLEMS IN A DEVELOPING ECONOMY, • LABOUR & FIVE YEARS PLANS IN INDIA. • LABOUR POLICY IN INDIA.	27	CLASSROOM /BLACK BOARD TEACHING
FEBURARY 19-20	UNIT-II	• MANPOWER, PLANNING • MANPOWERREQUIREMENTS • SELECTION &RECRUITMENT, EMPLOYEE TRAINING ANDMANAGERIALDEVELOPMENT , • WORKERSEDUCATION, • WAGEDETERMINATION, CLASSICAL,NEW CLASSICALBARGAINING THEORIES OF WAGE DETERMINATION CONCEPTS OF MINIMUM WAGE.	23	CLASSROOM /BLACK BOARD TEACHING
MARCH	UNIT-III	• PRODUCTIVITY AND WAGE RELATIONSHIP; • NATIONAL WAGE POLICY • INDUSTRIAL RELATIONS • HUMAN RELATION • THEORIESOFLABOURMOVEMENT • LABOURUNIONSININDIA, • RISE AND**GROWTH**OF LABOUR UNION, • ACHIEVEMENTS OF LABOUR UNIONS; • CURRENT TRENDS IN COLLECTIVE BARGAINING,	26	CLASSROOM TEACHINGC
APRIL	UNIT-VI	• LABOURLEGISLATIONININDIAN LABOUR • LAWS ANDPRACTICESINRELATIONTO INTERNATIONAL LABOURSTANDARDS. • STATE AND LABOUR,STATE AND SOCIAL SECURITY OF LABOUR, • CONCEPT OF SOCIAL SECURITY AND ITS EVOLUTION. • LABOURWELFAREININDIA, • CHILDLABOUR, FEMALELABOUR, • CONCEPTOFINDUSTRIALPEACE, • SECOND NATIONAL LABOUR COMMISSION.	22	ONLINE TEACHING
MAY		• PREPERATORY LEAVE AND SEMESTER EXAMS		
JUNE		EXAM		

SIGNATURE OF TEACHER

SIGNATURE OF HEAD

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TEACHING PLAN

ACADEMIC YEAR: 2023-24

NAME OF DEPARTMENT: **ECONOMICS**

NAME OF TEACHER **: DR. ANSHUMALA CHANDANGAR** CLASS : **M.A. IIIrd SEM**

COURSE TYPE :**THEORY** COURSE CODE : **MEC 304**

MONTH	UNIT	TOPIC OF LECTURE	NO. OF LECTURES	MODE OF DELIVERY
JULY	UNIT -I	• WELFARE ECONOMICS:DEFINITION OF WELFARE ECONOMICS. • CRITERION OF SOCIAL WELFARE- BENTHAM CRITERIA • COORDINAL CRITERION • PARETO OPTIMALITY CRITERIA,	24	CLASS ROOM TEACHING/CHALK DUSTER
AUGUST	UNIT-I &II	• KALDOR-HICKS COMPENSATION CRITERION, • THE BERGSON CRITERION • THE PROBLEM OF SECOND BEST. • SOCIAL WELFARE FUNCTION • MAXIMIZATION OF SOCIAL WELFARE • MAXIMIZATION IN PERFECT COMPETITION	24	CLASS ROOM TEACHING/CHALK DUSTER
SEPTEMBER	UNIT-II &III	• PUBLIC GOODS AND PRIVATE GOODS. • MARKET FAILURE & PUBLIC GOODS. • ENVIRONMENTAL ECONOMICS:BENEFICIATION OF ENVIRONMENTAL ECONOMICS • RELATION BETWEEN ENVIRONMENTAL ECONOMICS AND ECONOMICS	**22**	CLASS ROOM TEACHING/CHALK DUSTER
OCTOBER	UNIT-III &1V	• ENVIRONMENTAL ECONOMICS AND ECOLOGICAL ECONOMICS • ENVIRONMENTAL AND RESOURCES ECONOMICS • IMPORTANT-ISSUES IN ENVIRONMENTAL ECONOMIES • MACRO ECONOMIC POLICY AND ENVIRONMENTAL ISSUES.	**23**	CLASS ROOM TEACHING/CHALK DUSTER
NOVEMBER	UNIT IV	• THEORIES OF EXTERNALITIES – ECONOMIC AND DISECONOMIES • EXTERNAL COST, MARGINAL SOCIAL COST., MARGINAL PRIVATE COST • PIGIOUN TAXES AND SUBSIDES. ENVIRONMENTAL VALUE- USE VALUE, OPTION VALUE AND NON-USE VALUE, INTERNATIONAL CARBON TAX. ENVIRONMENT AND W.T.O.	**23**	CLASS ROOM TEACHING/CHALK DUSTER
DECEMBER		PREPERATORY LEAVE AND SEMESTER EXAMS AND WINTER VACATIONS		
M.A. IV SEM		**MEC 404**		
JANUARY	UNIT -I	• CLASSIFICATION OF POLLUTION, CONTROL OF POLLUTION • POLLUTION CONTROL STRATEGIES • COST-BENEFIT ANALYSIS OF POLLUTION • ENVIRONMENT AND POLLUTION. • ENVIRONMENTAL PROTECTION ENVIRONMENTAL LAWS, PROTECTION OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT • POPULATION GROWTH AND ENVIRONMENTAL ISSUES	25	CLASS ROOM TEACHING/CHALK DUSTER

		• GLOBAL WARMING, CLIMATE CHANGE, GREEN HOUSE EFFECT.		
FEBURARY	UNIT-II	• CLASSIFICATION OF RESOURCE • RENEWABLE RESOURCE • NON-RENEWABLE, OPTIMUM USE OF RESOURCES • LAND RESOURCES • FOREST RESOURCES SOCIAL FORESTRY • PEOPLES PARTICIPATION IN THE MANAGEMENT OF COMMON • FOREST LAND ENERGY EFFICIENCY AND ENVIRONMENT ENERGY TAXATION • ATOMIC & SOLAR ENERGY.	23	CLASS ROOM TEACHING/CHALK DUSTER
MARCH 2021-22 Iv sem	UNIT-III	• ECONOMICS OF EDUCATION • EXPENDITURE ON EDUCATION. • PRODUCTIVE EXPENDITURE ON EDUCATION. •	26	CLASS ROOM TEACHING/CHALK DUSTER
APRIL	UNIT-VI	• PRODUCTIVITY OF EDUCATION • THE RETURN OF EDUCATION, • HUMAN-CAPITAL, HUMAN CAPITAL VS. PHYSICAL CAPITAL. EDUCATIONAL • REFORMS AND RIGHT TO EDUCATION ACT. • HEALTH:ECONOMICS, DETERMINANTS OF HEALTH •	24	CLASS ROOM TEACHING/CHALK DUSTER
MAY		PREPERATORY LEAVE AND SEMESTER EXAMS		
JUNE		EXAM AND ADMISSIONS		

SIGNATURE OF TEACHER

SIGNATURE OF HEAD

Govt. V.Y.T.P.G. Autonomous College. Durg (C.G.)

SIGNATURE OF PRINCIPAL

Teaching Plan

Academic Year 2023-24

Name of Department: Economics **Class: B.A. 3rd Sem**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title- BEC03/Macro Economics**

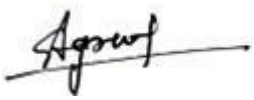
Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
July	1	Welfare and National Income, Social Accounting. Circular Flow of Income, National Income Accounting, Green accounting	25	Chalk duster Video lecture
August	2	Classical theory of employment; Say's law of Market, Keynesian theory of employment	24	Chalk duster Video lecture
September	2	Consumption function Average and marginal propensity to consume; Keynes psychological law of consumption, Determinants of consumption function. The saving function. The investments multiplier and its effectiveness. The investment Function- Marginal efficiency of Capital, Autonomous and induct investment, Saving and Investment equality.	23	Chalk duster Video lecture
October	3	Nature and characteristics of trade cycle, Theories of Trade cycle: Hawtrey's monetary theory. Hayek's overinvestment theory, Keynes' view on trade cycles, Schumpeter's theory of innovation,	20	Chalk duster Video lecture
November	4	Samuelson and Hicks multiplier accelerator model, Control of trade cycles. Fiscal Policy- Meaning of Fiscal Policy, Instruments of Fiscal Policy, Objectives of Fiscal Policy.	24	Chalk duster Video lecture

Teaching Plan

Academic Year 2023-24

December	4	Fiscal Policy and Economic Growth. Effectiveness of Fiscal Policy, Fiscal Policy and Full Employment.	20	Chalk duster Video lecture







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Teaching Plan

Academic Year 2023-24

Name of Department: Economics **Class: B.A. 4th Sem**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title- BEC03/Money and Banking**

Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
January	1	Basic concepts: Money - meaning and functions, Gresham's law. Quantity theory of money- Cash transaction and cash balance approaches; Value of Money, Inflation, deflation and reflation, types,	25	Chalk duster Video lecture
February	2	causes and effects on different sectors of the economy: Demand pull and cost push inflation; Measures to control inflation, Phillips Curve, Concept of Demonetization.	24	Chalk duster Video lecture
March	2	Commercial banking- meaning and types; Functions of commercial banks, The process of credit creation purpose and limitations; Liabilities and assets of banks; Evolution of commercial banking in India after independence; A critical appraisal of the progress of commercial banking after Nationalization,	23	Chalk duster Video lecture
April	3	Central Bank-Functions of a central bank; Quantitative and qualitative methods of credit control; Bank rate policy; Open market operations; Variable reserve ratio and selective methods. Role and functions of the Reserve bank of India; Objectives and limitations of monetary policy with special reference to India.	23	Chalk duster Video lecture
May	4	Monetary Policy – Meaning of Monetary Policy, Objectives, Limitations and Economics development	15	Chalk duster Video lecture







Teaching Plan

Academic Year 2023-24

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Name of Department: Economics **Class: B.A. 3rd Year**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title- BEC05 Development and Environmental Economics**

Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
July	1	Economic Growth and Development - Factors affecting economic growth, Capital and Technology Development & under development, Population of Under-developed Countries, Poverty - Absolute & Relative, Measuring development and undevelopment, gap per capita income, inequality of income and wealth. Human Development index GDI, GEM, Poverty Index of development & Quality of life.	25	Chalk duster Video lecture
August	2	Population problem and growth, pattern of population. Theory of demographic transition.Population poverty & Environment. Theory of Social Change Immutable laws of Capital Development - Crisis in capitalism.of development & Quality of life.	24	Chalk duster Video lecture
September	2	Karl Marx - Theory of Development, Mahalonobis four sectoral Model. Schumpeter's development in Capitalistic economy, Big-Push Balance and unbalanced Growth, Critical Minimum Effort thesis, Low Income Equilibrium Trap-Dualism: Technical, Behavioural & Social.	25	Chalk duster Video lecture

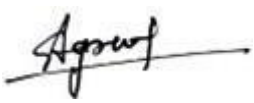
Teaching Plan

Academic Year 2023-24

October	3	Harrod and Domar Growth Model, Neo Classical models, So low, Meade & Mrs. Joan Robinson's Growth model, Unlimited supply of Labour.	24	Chalk duster Video lecture
November	4	Environment and Ecology: Economic linkage, Environment as a necessary and luxury, Population environment linkage, Environmental use & environmental disruption as an allocation problem. Market failure for environmental goods, environment as a public good, the Common problem.	24	Chalk duster Video lecture
December	4	Property Human right approach to environmental problem, valuation of environmental damages-land, water, air & forest Pollution Control-Prevention. Control and abetment of pollution Choice of policy instruments in developing Countries, Environmental legislation Indicators of Sustainable Development, environmental accounting.	25	Chalk duster Video lecture
January	5	Concept of Intellectual Capital - Food Security, Education Health & Nutrition, Efficiency & Productivity in Agriculture New Technology & Sustainable Agriculture	24	Chalk duster Video lecture
February	5	Globalization & Agriculture growth, the Choice of Technique & appropriate technology & employment. Role of Monetary & Fiscal policies in developing Countries.	25	Chalk duster Video lecture



Signature of Teacher



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Teaching Plan

Academic Year 2023-24

Name of Department: Economics **Class: M.A. 1st Sem**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title- MEC 102 MACRO ECONOMICS**

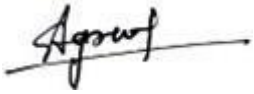
Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
August	1	National Income and Accounts – Concept of National Income and National Product, Problems of Measurement, Circular flow of Income – Two, Three and Four Sector Economy, Different forms of National Income Accounting – Social Accounting, Input Out-put Accounting, Flow of Funds, Balance of Payment – Accounting.Investment Function, Rate of Interest for Investment, Marginal Efficiency of Capital and Investment. Saving and Investment Equality, Multiplier, Accelerator, Super Multiplier. Supply of Money, High Powered Money, Measurement of Money supply, Control of Money Supply.	25	Chalk duster Video lecture
September	2	Classical Theory of Employment, Keynesian & Pigou Theory of Employment, Comparison of Classical and Keynesian Models, National Income Determination of Keynesian Model. Demand for Money – Fisher and Cash Balance (Cambridge) Approach, Fundamental Equation of Keynes, Post Keynesian Approach to Demand for Money- Patinkin, Bamuls, James Tobin, Friedman, Gurley & Shaw's Approaches.Investment Function, Rate of Interest for Investment, Marginal Efficiency of Capital and Investment. Saving and Investment	24	Chalk duster Video lecture
		Equality, Multiplier, Accelerator, Super Multiplier. Supply of Money, High Powered Money, Measurement of Money supply, Control of Money Supply.		

Teaching Plan

Academic Year 2023-24

October	3	Consumption Function- Keynesion Psychological Law of Consumption, Short Run and Long Run Consumption Function, Empirical Evidence on Consumption Function– Absolute Income Hypothesis, Duesanbery's Relative Hypothesis, Life Cycle and Permanent Income Hypothesis.Investment Function, Rate of Interest for Investment, Marginal Efficiency of Capital and Investment. Saving and Investment Equality, Multiplier, Accelerator, Super Multiplier. Supply of Money, High Powered Money, Measurement of Money supply, Control of Money Supply.	25	Chalk duster Video lecture
November	4	Investment Function, Rate of Interest for Investment, Marginal Efficiency of Capital and Investment. Saving and Investment Equality, Multiplier, Accelerator	24	Chalk duster Video lecture
December	4	Super Multiplier. Supply of Money, High Powered Money, Measurement of Money supply, Control of Money Supply.	24	Chalk duster Video lecture







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Teaching Plan

Academic Year 2023-24

Name of Department: Economics **Class: M.A. 2nd Sem**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title-MEC 201 MACRO ECONOMIC ANALYSIS**

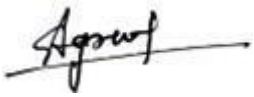
Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
January	1	Theory of Inflation – Classical, Keynesian and Monetarist Approaches to Inflation, Semi and Full inflation, Theory of Structural Inflation, Stagflation Control of Inflation, Philips Curve Analysis– Short Run and Long Run Philip's Curve. The Natural Rate of Unemployment Hypothesis, Tobin's Modified Philip Curve	25	Chalk duster Video lecture
February	2	Business Cycles, Main Features of Business Cycles, Types of Business Cycle, Theories of Business Cycles Hawtrel's Monetary Theory of Trade Cycle, Schumpeter's, Keynes, Hicks, Samualson's, Friedman, Kaldor Model of Trade Cycle	24	Chalk duster Video lecture
March	3	Monetary Policy-Meaning of Monetary Policy, Instrument of Monetary Policy, Objective of Monetary policy, Limitations of Monetary Policy, Monetary Policy and Economic Development, New Classical Macro Economics, International Monetary System, International Liquidity Problem, SDR and New International Economic Order.	25	Chalk duster Video lecture
April	4	Fiscal Policy – Meaning of Fiscal Policy, Instruments of Fiscal Policy, Objectives of Fiscal Policy, Fiscal Policy and Economic Growth, Effectiveness of Fiscal Policy, Monetarism Vs Fiscalism–The Debate, Similarities Between Monetary Policies and Fiscal Policies.	24	Chalk duster Video lecture

Teaching Plan

Academic Year 2023-24

May	4	IS-LM Model, The Product Market Equilibrium, The Money Market Equilibrium, Equilibrium of Product and Money Market, Merits and Demerits of IS-LM Curve.	24	Chalk duster Video lecture







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Teaching Plan

Academic Year 2023-24

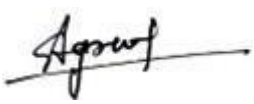
Name of Department: Economics **Class: M.A. 3rd Sem**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title- ECONOMICS OF GROWTH, MEC 301**

Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
July	1	Economic Growth: Economic Growth and Development, Measurement of Economic Growth, Economic Growth Model Vicious Circle of poverty, Physical Quality of Life Index, Human Development Index, UNDP Human Development Report 2013, Inclusive Growth	25	Chalk duster Video lecture
August	2	The Concept of Capital Output Ratio, Input-Output Analysis, Project Evaluation and Cost – Benefit Analysis, Methods of Project Evaluation	24	Chalk duster Video lecture
September	3	Theories of Development: The Marxian Model. The Schumpeterian Model	25	Chalk duster Video lecture
October	3	Keynesian Theory of Development. Mahalanobis Four Sector Model.	24	Chalk duster Video lecture
November	4	Theories of Development HarrodDomar Model: Arther Lewis Model Unlimited Supply of Labour, Ranis & Fie Model	24	Chalk duster Video lecture
December	4	Kaldor Model of Distribution, John Robinson model, Meads New-Classical Model, Hicks and Long- Run Growth	24	Chalk duster Video lecture







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Teaching Plan

Academic Year 2023-24

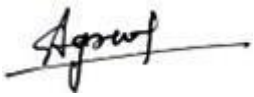
Name of Department: Economics **Class: M.A. 4th Sem**

Name of theTeacher: Dr. Neeta Mishra

Course Type: Theory **Course Code/ Title - MEC 401 Economics of Development and Planning**

Month/Week	Unit/Title	Topic of Lecture	No. of Lecture	Methods / Mode of delivery
January	1	Economic Planning; Objectives. Achievements and Failures of Indian Plans, Resource Mobilization in Indian Plans, Strategy of Indian Plan, Saving, Capital Formation and Overall Growth Rate, Twelfth Five Year Plan (2012-17) Achievement of Eleventh Five Year Plan.	25	Chalk duster Video lecture
February	2	Vicious Circle of Poverty, Big-Push Theory, Theory of Critical Minimum Efforts, Balanced and Unbalanced Growth, Nelsons Theory of Low Level Equilibrium Trap	24	Chalk duster Video lecture
March	2	Problems of Development; Measuring Poverty of World and India. Income Inequalities, Unemployment, Sustainable Development, Role of State in Economic Development, Problem of Price-Rise in India.	25	Chalk duster Video lecture
April	3	Investment Criteria in Economic Development; The social Marginal Productivity Criteria, The capital Turnover Criteria, The Re-investment Criterion, Time Series Criterion, the Choice of Techniques.	24	Chalk duster Video lecture
May	4	Capital Formation and Economic Development, Monetary policy in Economic Development Fiscal policy in Economic Development. Entrepreneurship in Economic Development, Marketable Surplus in Economic Development.	15	Chalk duster Video lecture







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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class: MA- Ist Semester

Name of the Teacher: Dr. Jigyasa Pandey

Course Type: Theory Course Code/Title:- MEC-104/Indian Economy

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	Introduction - GDP and National Income of India- Components and Structure of GDP and National Income, Role of Primary, Secondary & Tertiary Sectors in GDP of India	22	PDF, Videos, Chalk Duster
August	I	National Income, and Per Capita Income, Growth Rates of GDP and Per Capita Income. Saving, Investment and Capital Formation Rates in India	20	PDF, Videos, Chalk Duster
September	II	Demographic Features of Indian Population-Size and Growth Rate of Population in India, Sex, Age-Composition and Density of Population, Rural-Urban Migration	22	PDF, Videos, Chalk Duster
October	II III	Urbanization and Civic Amenities, Occupational Structure, The Quality of Population, National Population Policy. Demographic Features of Chhattisgarh Agricultural Development in Indian Economy-	20	PDF, Videos, Chalk Duster

		Agricultural Growth and Productivity, Causes of Low Pruductivity and Measures to increase it. Institutional Structure-Land Reforms in india		
November	III IV	Technological Changes in Agriculture, the Green Revolution, Second Phases of Green Revolution, National Agricultural Policy and Foud Security in india. Industrial Development in India Industrial Policies of 1956 and 1991, Public Sector Enterprises and their Performance, Privatization and Disinvestment, Small Scale Sector and Minor Medium Enterprises	25	PDF, Videos, Chalk Duster
December	IV	Problem of Sick Units, and Knowledge Economy. Balanced Regional Developmerit indicators of Regional imbalance, Causes of Economic Backwardness and Regional Imbalances.	15	PDF, Videos, Chalk Duster

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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:M.A.- Sem-3

Name of the Teacher: Dr. Jigyasa Pandey

Course Type: Theory Course Code/Title:- MEC-305/Demography

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	Demography - Meaning and importance, Theories of Population - Theory of Optimum Population and Theory of Demographic Transition.	22	PDF, Videos, Assignment, Surprise Test, Chalk Duster
August	I	Measures of Population Change and Distribution-Rate of Population Change and Distribution, Measures of Degree of Concentration of Population-Lorenz Curve and Gini Concentration Ratio	20	PDF, Videos, Assignment, Surprise Test, Chalk Duster
September	II	Migration Kinds and Factor Affecting of Migration, Hurdles of Migration, Measurement of Internal Migration, Migration Rates and Ratio Urbanization Factors Influencing Urbanization and Effects of Urbanization, Population and Economic Development. Human Resource Development in India	22	PDF, Videos, Assignment, Surprise Test, Chalk Duster

October	III	Mortality-Meaning and Sources of Mortality Data, Causes of High Death Rate in India, Trends in Death Rate in india, Measurement of Mortality Based on Death Statistics, Crude Death, Specific Death Rate	20	PDF, Videos, Assignment, Surprise Test, Chalk Duster
November	III IV	infant Mortality Rate and Standardized Death Rate, Child Mortality Rate, Maternal Mortality Rate, Life Table-Functions and Construction of Life Table. Problems Related to Death Rates and Life Table Fertility- Meaning. Causes of High Birth Rate in India, Trends in Birth Rate in India, Measurement of Fertility and Reproduction Crude Birth Rate, General Fertility Rate	25	PDF, Videos, Assignment, Surprise Test, Chalk Duster
December	IV	Age-Specific Fertility Rata, Total Fertility Rate, Gross Reproduction Rate and Net Reproduction Rate Problems Related to Fertility and Reproduction Rates	15	PDF, Videos, Assignment, Surprise Test, Chalk Duster

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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:B.A.- Sem-I(GEC)

Name of the Teacher: Dr. Jigyasa Pandey

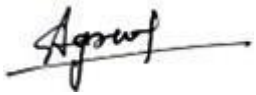
Course Type: Theory Course Code/Title:- Basic of Economics

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery	
July	I	Origin of Economics in Indian culture; Definition, nature and scope of Economics: Major fields-Micro and Macro; Classical, Neo-Classical and Modern Economists;	15	PDF, Videos, Chalk Duster, Notes	
August	II	Circular Flow of Income; Measurement of National Income; Basics of GDP, GNP, NNP; Money and its functions; Demand and Supply of Money, Concept of Consumption and Saving.	15	PDF, Videos, Chalk Duster, Notes	
September	III	Meaning of consumer behavior, Concept of utility; Demand and elasticity, Basics of Production Function; Various Markets in the economy (in brief)	15	PDF, Videos, Chalk Duster	
October	IV	Agriculture in Chhattisgarh- Agricultural	15	PDF, Videos,	

		Production, Land use, Irrigation facilities; Industries in Chhattisgarh Major Industries,		Chalk Duster	
November	IV	Mineral based Industries in Chhattisgarh; Infrastructure in Chhattisgarh, Road and Railways; Per capita income and State domestic product in C.G.	15	PDF, Videos, Chalk Duster	
December	IV	Major contribution by various economists (in brief)-Adam Smith, J.M. Keynes, Marshal, Pigou.	15	PDF, Videos, Chalk Duster	



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Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:B.A.- Sem-I(VAC)

Name of the Teacher: Dr. Jigyasa Pandey

Course Type: Theory Course Code/Title:-Sports and physical education

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	शारीरिकशिक्षाकापरिचय व्याख्यानकीसंख्या * शिक्षाएवंशारीरिकशिक्षकाअर्थ * प्राचीनभारतमेंशारीरिकशिक्षाएवंखेलकूदकीअवधारणा * सम्पूर्णशिक्षाहेतुशारीरिकशिक्षाकायोगदान	5	PDF, Videos, Chalk Duster, Notes
August	II	दक्षतास्वास्थएवंवेलनेशमेंशारीरिकशिक्षाएवंखेलकायोगदान * दक्षतास्वास्थएवंकल्याणकीअवधारणा	5	PDF, Videos, Chalk Duster, Notes

		* शरीरकेप्रमुखअंगों (हृदय, फेफड़े, माँसपेशियोंऔरहड़िया) कीमूलधारणा * सामान्यशारीरिकस्वास्थ (हृदय, फेफड़ेऔरमाँसपेशियों) परशारीरिकगतिविधीऔरखेलकाप्रभाव		
September	III	* भारतमेंशारीरिकशिक्षातथाखेलकूदकेविकासमेंयूनिसेफकीभूमिका * शारीरिकशिक्षासंस्थाओंकापरिचयएवंयोगदान (वाई.एम.सी.ए.) * लक्ष्मीबाईनेशनलइंस्टीट्यूटऑफफिजिकलएजूकेशन (एल, एन.आई.पी.ई.) * स्पोर्टसअथॉरिटीऑफइंडिया (एस.ए. आई.)	5	PDF, Videos, Chalk Duster, Test
October	III	* नेताजीसुभाषनेशनलइंस्टीट्यूटऑफस्पोर्टस (एन.आई.एस.) * यूनिसेफकीपरिकल्पना, चिल्डरनराईट्सइनस्पोर्टसप्रिन्सिपल्स,	5	PDF, Videos, Chalk Duster
November	IV	* खेलकूदसंबंधीसामान्यज्ञान * राष्ट्रीयएवंराज्यस्तरीयखेलपुरस्कार (ध्यानचन्दखेलरत्नअवार्ड) * अर्जुनअवार्ड, द्रोणाचार्यअवार्ड, विक्रमअवार्ड	5	PDF, Videos, Chalk Duster

December	IV	* एकलव्यअवार्ड, विश्वामित्रअवार्ड * अन्तर्राष्ट्रीयखेलविभूतियों (अन्तराष्ट्रीयखिलाडीएवंअन्तर्राष्ट्रीयस्तरपरभारतीयखिलाड़ियोंकापरिचय	5	PDF, Videos, Chalk Duster

Signature of Teacher

Signature of Head

Principal
Govt. V.Y.T. P.G. Autonomous
College, Durg (C.G.)

Signature of Principal

Teaching Plan

Academic Year 2023-24

Name of Department: Economics Class:B.A.- Sem-V

Name of the Teacher: Dr. Jigyasa Pandey

Course Type: Theory Course Code/Title:- DEC-05/Demography

Month/Week	Unit/ Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
July	I	Meaning and scope of demography. Determinants of population growth. Study of fertility-concept of Birth, Death, Fertility, factors affecting fertility. Marriage and marital status.	15	PDF, Videos, Chalk Duster
August	II	Meaning, type and uses of population projection. Techniques of population projection, merits and demerits. Ageing of population-concept and assessment respect to India. Changes in family structure and old age security in India	15	PDF, Videos, Chalk Duster, Group Discussion
	III	Evolution of population policy in India.		
September	III	New national population polic planning and various programs. Salient features of census 2011.	15	PDF, Videos, Chalk Duster, Seminar

October	IV	Measuring the Benefits of Environmental improvements, Non-Market values and measurement methods; risk assessment and perception	15	PDF, Videos, Chalk Duster
November	IV	Sustainable Development- Concepts, measurement; perspectives from Indian experience.	15	PDF, Videos, Chalk Duster
December				

Signature of Teacher

Signature of Head

Principal
Govt. V.Y.T. P.G. Autonomous
College, Durg (C.G.)

Signature of Principal

Geography department Teaching Plan

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof. : PreetibalaChandrakar

Class : B.A. I (Paper- I)CourseType:Theory Coursecode/Title:BGG01/PhysicalGeography

Month/Weak	TopicofLecture	No.oflectures	Methods
July	ThenatureandscopeofPhysicalGeography,originoftheEarth,	12	1.LectureMethod 2 Chalk and Talk Method3.GroupDiscussion 4.ProblemSolving
August	Geological Time scale, Earth'sInterior,continentalDriftTheory(Wegner),PlateTectonics,Isostasy.	13	1. LectureMethod 2. ChalkandTalkMethod 3. GroupDiscussion 4. ProblemSolving
September	Earthmovement-EarthquakesandVolcanos.Rocks,Weathering,Erosion,andNormal cycleoferosion,	12	1. LectureMethod 2. ChalkandTalkMethod2.GroupDiscussion 3. ProblemSolving
October	Evaluationoflandscapes-Fluvial, Arid, Glacial, Karts andCostalLandscape.	13	1. LectureMethod 2. ChalkandTalkMethod2.GroupDiscussion 3. ProblemSolving
November	ElementsofWeatherandClimate,compositionandStructureoftheAtmosphere,	12	1. LectureMethod 2. ChalkandTalkMethod

	WorldpatternofAtmosphericTemperature,PressureandWind.		2. GroupDiscussion 3. ProblemSolving
December	Atmosphericmoistureanddisturbances, climaticclassification(Koppen&Thornthwate) types,characteristicsandWorldPatterns.	13	1. LectureMethod 2. ChalkandTalkMethod2.GroupDiscussion 3. ProblemSolving, UG Semester Exam
January	Surface relief of Pacific Ocean,AtlanticoceanandIndianOcean.DistributionoftemperatureandSalinityofOceanandSeas.	12	1. LectureMethod 2. ChalkandTalkMethod2.GroupDiscussion 3. ProblemSolving
February	CurrentandTides,OceanDepositsandcoralReefsandOceanicResources.	13	1. LectureMethod 2. ChalkandTalkMethod2.GroupDiscussion 3. ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProfessor:Dr.Anil Mishra Class :B.A.I(Paper-II)

CourseType:Theory Coursecode/Title:BGG02/Human Geography

Month/Weak	TopicofLecture	No. oflectures	Methods
July	DefinitionandScopeofHumanGeography.Man-environmentRelationship;Determinism,	09	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
August	Possibilism and probabilism; HumanDevelopment Index(HDI).Classification of Human Races – theircharacteristicsandDistribution;	13	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
September	Human adaptation to environments :Eskimo,Bushman,Pigmy,Gond,masaiand naga.	12	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
October	Growth,DensityanddistributionofWorldPopulation andfactorsinfluencing Spatial distribution; Over,Under&OptimumPopulation;Migrationof Population .	13	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
November	Settlement - Urban Settlements:Urbanization ,Evolution and Classification ,Trends of	12	1. LectureMethod 2. ChalkandTalkMethod

	Urbanization.		3. GroupDiscussion 4. ProblemSolving
December	Ruralsettlements:Characteristics,TypesandRegionalPattern,RuralHouses in India – Types, Classificationand Regional Pattern.	13	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
January	Issues– GlobalWarming,ClimateChange,Deforestation,	12	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
February	Desertification,Air,WaterandSoilPollution.	13	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.Problem Solving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProfessor:PrashantDube&PreetibalaChandrakar Class : B.A. I (Paper- III)CourseType:Practical
Coursecode/Title:BGG03/CartographyandStatisticalMethods

Month/Weak	TopicofLecture	No. oflectures	Methods
July	Scale-Plane,Time,DiagonalandComparative.	06	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
August	Methodsofshowingrelief-hachure, contours; representationofdifferentlandformsbycontours,	05	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
September	Drawingofprofiles-serialsuperimposed,projectedandcomposite.	07	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
October	Linegraph&Bargraph(simple&compound),	06	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
November	CircleDiagram,PieDiagram,Windrose,	05	1. LectureMethod 2. ChalkandTalkMethod

			3. GroupDiscussion 4. ProblemSolving
December	PopulationPyramid.Mean,	08	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
January	MedianandMode.ChainandTapesurvey.	06	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving
February	ChainandTapesurvey.	07	1. LectureMethod 2. ChalkandTalkMethod3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProfessor: Dr. Kirti Pandey Class : B.A. II (Paper- I)CourseType:Theory
Coursecode/Title:BGG01/EconomicandResourceGeography

Month/Weak	TopicofLecture	No.oflectures	Methods
July	Meaning, Scope and approachestoeconomicgeography;Mainconcepts of economicgeography;Resources:conceptandclassification;	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	NaturalResources:Soil,forestandwater.Mineralresources:Ironoreand Bauxite;	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	Power resources: Coal,PetroleumandHydro-electicity;Resource conservation; Principalcrops :Wheat,Rice,	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	SugarcaneandTea.Agriculturalregionsoftheworld(DerwentWhittlesey); Theory ofagriculturallocation(Vonthunen);	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	Theory of industrial location (Weber);Majorindustries:Iron	12	1. Lecture

	and Steel, Textiles,Petrochemicaland sugar;		2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	Industrialregionsoftheworld.Worldtransportation:majortrans-continentalrailways,seaandair routes;	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
January	International trade: patterns andtrends;Majortradeblocks:LAFTA,EEC,ASEAN.Effectof globalizationondevelopingcountries.	11	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	Conservationofresources;evolutionoftheconcept,principles,philosophyandapproachtoconservation,resourcesconservationandpractices. PolicymakingandSustainabledevelopment.	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

TeachingPlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProfessor :Dr.Vanadana Yadav Class :B.A.II (Paper-II)

CourseType:Theory Coursecode/Title:BGG01/GeographyofIndia

Month/Weak	TopicofLecture	No.oflectures	Methods
July	PhysicalFeatures:Structure,Relief,Climate,PhysiographicRegions,Drainage,Climate-originandmechanism of monsoon and regionalandseasonalvariation.	09	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	Natural Resources : Soils- Types, theirdistribution and characteristics. WaterResources (major irrigation and hydelpowerprojects),	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	Forests-Types,distribution,economicsignification and conservation. MineralandPowerresources-Iron-ore,	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	Manganese,Copper,Coal,PetroleumandNaturalGas, Nonconventionalsourcesof energy.	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	CulturalFeatures:Population-Growth, DensityandDistribution.Agriculture-	12	1. Lecture

	Major crops impact of GreenRevolutionand		2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	AgriculturalRegions.IndustriesLocalization,Development&Production-IronandSteel,CottonTextile,Cement,Sugar,	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
January	Transport,ForeignTrade.IndustrialRegion.DetailStudyofthefollowingregionsof India:Kashmir Valley,	11	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	North-East Region, Chhota NagpurPlateau,TharDesert,IslandsofIndia.	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProfessor:Dr.,PreetibalaChandrakar& PrashantDube

Class:B.A. II(Paper-III)

CourseType:Practical Coursecode/Title:BGG01/PracticalGeography

Month/Weak		No. oflectures	Methods
July	DistributionMap:Dot,Choropleth,	05	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	Isopleth.MapProjection:Definitionandclassification,Conical,	06	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	ZenithalandCylindricalProjection.	07	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	Interpretationofweathermaps:Useofmetrological instrument.	05	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	StatisticalMethods:Quartile,Mean	06	1. Lecture

	deviationand		2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	Quartiledeviation;Relativevariabilityandco-efficientofvariation.	05	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
January	Quartiledeviation;Relativevariabilityandco-efficientofvariation.	06	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	SurveyingPrismaticCompassSurvey :Openandclosedtraverse,correction of bearing, calculation ofinteriorangles.	07	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof. : PreetibalaChandrakar Class :B.A.III (Paper- I)CourseType:Theory
Coursecode/Title:BGG05/Remote SensingandGIS

Month/ Weak	TopicofLecture	No.oflectures	Methods
July	Basics of Remote sensing : definition,historyand Scope,	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	Electro-Magnetic Radiation :Characteristics, Spectral region andBand, Interaction withearth surfaceFeatures and atmosphere, SpectralSignature.	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	Types of Remote Sensing, Air Borneand Space borne, Aerial photo typesand Characteristics, Remote Sensingsatellites : Platforms and Sensors :activeandpassive	11	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	Sensorscharacteristics, spatialresolution, Radiometric resolution,temporal resolution, Product. Visual aDigitalimageprocessingtechniques	12	1. Lecture 2. Chalk and Talk3.GroupDiscu

November	Remote sensing application in resourcmapping and environmental monitorinremotesensing in india:developmeand Growth. Indian Satellites, SpaceOrganizationand dataproducts.	11	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	IntroductionofGIS:DefinitionofGeoinformatics, Scope andImportanceofGeoinformatics,HistoryofGIS,ComponentsofGIS,Functions ofGIS, GIStasks–input,Manipulation,management,Queryanalysis,	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
January	Visualization, Toposheets. Surveying,AerialPhotographs,Satellitedataand Images, data Types – Spatial andNon-spatial.Datamodelanddataanalysis:Rasterdatatheircharacteristics,	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	Vector data and their characteristics,Raster data n analysis – grid cells orPixels.Vectordataanalysis-Spatialdata,GenerationinVectorFormat,Spatialand Non-SpatialdataManagement,SpatialinformationTechnology.	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr.Duman Lal Class :B.A.III (Paper- II)CourseType:Theory
Coursecode/Title:BGG06/GEOGRAPHYOFCHHATTISGARH

Month/Weak	TopicofLecture	No. oflectures	Methods
July	Physical features : GeologicalStructure, Relief and Physiographicregions,Drainage,	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	Climate. Natural resources: Soils-Types, characteristics and theirdistribution.	11	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	Water resources (major irrigationand hydro power projects). Types,distribution and conservation ofForest.	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	MineralResources – Iron-Ore, Coal,Dolomite, Lime stone, Bauxite, etc.PowerResourcesofChhattisgarh.	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

November	Agriculture and Population –Agriculture : Cereals, Pulses andother crops. Population : Growth,DistributionandDensity;	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	Tribal Populations; and Urban andRuralPapulation.	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
January	Industries – Iron and Steel, Cement,Sugar, Industrial Region ofChhattisgarh.	13	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.Problem Solving
February	Trade and Transport, Tourism,Socio-Economics Development ofChhattisgarh	12	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof. : Dr.Omkumari Verma

Class:B.A.III(Paper-III)

CourseType:Practical Coursecode/Title:BGG0/PRACTICALGEOGRAPHY

Month/Weak	TopicofLecture	No. oflectures	Methods
July	Graphical Representation : Band graph,Climograph,Squareroot,Cuberoot.	4	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	TopographicalSheets:Classificationandnumbering system (National andInternational),	5	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	Interpretation of Topographical Sheet withrespecttocultural and physicalfeatures.	6	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	Satellite Imageries : Describing the MarginalInformation, Image Interpretation : VisualMethods– Landuse/LandCoverMapping.	6	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

November	Use and application of GIS. Surveying : PlaneTable Survey, Basic Principles of plane TableSurveying,	7	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	Plane table survey including interaction andresection.	6	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
January	Planetablesurveyincludinginteractionandresection.Importanceoffieldworkin Geography. Field Work and Field report : physical, socialandeconomicsurveyofamicro-region.	6	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	Importance of field work in Geography.FieldWorkandFieldreport:physical,socialandeconomicsurveyofamicro-region.	7	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:PreetibalaChandrakar Class : M.A. I (Paper- I)CourseType:Theory
Coursecode/Title:MGG101/Geomorphology

Month/Weak	TopicofLecture	No. oflectures	Methods
July	**IntroductionandEvolution:-** 1. NatureandscopeofGeomorphology : Meaning & Definition, Field andScopeofGeomorphology. 2. Fundamental concepts inGeomorphology : Bases ofGeomorphic Theories- Teleological,Imminent, Historical, Taxonomic,Functional, Realist andConventionalistconcept of UniformitarianismbyHutton.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	3. Geological structure and land forms :Igneous, Sedimentary andMetomorphicRocks. 4. Age of the Earth, Geological timeScale. **EarthMovements:** 1. EpeirogenicandOrogenic&Resultinglandforms. 2. Isostasy- view of Pratt, Airy, Hayford&Bowie,Joly,ArthurHolmes.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	**EarthMovements:** 3. Plate-tectonictheory:Concept,Seafloorspreading. 4. . Earthquake: causes and worlddistribution. 5. Volcano:Typesofvolcano,Intrusion &ExtrusionTopography.	22	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

	Exogenic Processes & Concept ofGradation: 1.WeatheringandMassMovement:Meaning, Factors controllingWeathering,types ofWeathering.		
October	2. Mass movement : Meaning,Solifluction,Landslide,MudFlowandrelated land forms. 3. Erosional and Depositional Processesand Resulting Landforms : Karst, AridandGlacial. 4. Slope Analysis &Evolution :Introduction, Genetic Classificationof slope, Elements of slope,Quantitativeclassificationofslope. 5. Theories of slope evolution by penkand wood.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	**Geomorphic Processes concepts andapplications:** 1. Geomorphic cycle concept of DavisandPenk. 2. Erosion surface: Meaning,identification, correlation andDating. 3. Applied geomorphology: Definition& scope of applied Geomorphology,Hydro-Geomorphology, Urban-Geomorphology,Geomorphic Hazards&Management.	22	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof./G.L.:Dr.Preetibala Chandrakar Class :M.A.I(Paper-II)

CourseType:Theory Coursecode/Title:MGG 102/EconomicGeography

Month/Weak	TopicofLecture	No. oflectures	Methods
July	1. Meaning, Definition & Scope ofeconomicgeography. 2. Recent trends in economicgeography. 3. Relationofeconomicgeographywithotherbranches ofsocial sciences,	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	1. Classificationofthesectorsofeconomy(primary,secondaryandtertiary). 2. Factorsoflocationofeconomicactivities : Physical, social, economicsandCultural. 3. Concept and techniques of delimitationofagriculturalregions.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	1. Cropcombinationanddiversification. 2. Von Thunen's model and its modification. 3. ClassificationofIndustries:TheoriesofIndustriallocation–Weberandlosch. 4. Case study of selected Industries: IronandSteel,Aluminum&Cotton Textiles.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	1. Modelsoftransportationandtransportcostaccessibilityandconnectivity. 2. Typology of market, market system inurban economy, role of market in theDevelopmentoftradeandcommerce. 3. Economic development of India,	22	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

	Regionaldisparities. 4.ImpactofGreenrevolutiononIndian economy.		
November	1. ImpactofWhiterevolutiononIndianeconomy. 2. Globalization and Indian economyanditsimpactonenvironment.	21	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof./G.L. : Dr.Omkumari Verma Class : M.A. I (Paper- III)CourseType:Theory
Coursecode/Title:MGG103/RegionalGeographyofIndia

Month/Weak	TopicofLecture	No. oflectures	Methods
July	**NaturalCharacteristics:** 1. AnoverviewofIndiainthecontextof Asiaand theworld. 2. MajorPhysicalfeaturesandtheircharacteristics. 3. Regional and seasonal variationofClimate:Indianmonsoonorigin and relatedTheories.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	4. ClimaticdivisionofIndia. 5. DrainageSystemofIndia&theirsignificances. 6. NaturalVegetationTypesandtheirdistribution **Resources: Reserves, Production andproblems ofconservation offollowing major resources and theirconservation:-(1,2,3):** 1.Mineral–Iron,Copper,Bauxite.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	2. Power of resources – Coal,Petroleum, Hydroelectricity,Atomicpower. 3. Forest Resources: Major&Minor. 4. Population Resources: Growth,distributionandDensitywith specialreferencetopost	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

	independenceperiod. **An over view of Indian Economy andits Impact:** 1.Agricultural growth of India inPlan Periods and its impact onIndianEconomy.		
October	2. Major crops: Rice, Wheat,Maize, Pulses, Sugarcane, jute,Tea, 3. AgriculturalregionsofIndia. 4. Industry: Industrial developmentofIndiaan overview. 5. Localisation factors and spatialpattern of major industries inIndia: – I. Iron & Steel, II.Cement,III.CottonTextiles,IV.Jute.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	**Regions ofIndia :** 1. IndustrialregionsofIndia. 2. RegionaldivisionsofIndia:I.By O.H.K.Spate,II.ByR.L.Singh. 3.Detailedstudyof:I.NarmadaBasin, II. Marusthali, III.Chhattisgarh Basin, IV. BasterPlateau.	22	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:.Dr. Duman Lal Class:M.A.I(Paper-IV)CourseType:Theory
Coursecode/Title:MGG104/HistoryofGeographicalThought

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. Thefieldofgeography,itsplaceintheClassification of Sciences. 2. GeographyasasocialscienceandnaturalScience. 3. Selectedconceptsinthephilosophyof Geography –Functionalism.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. Realism&Idealism. 2. DualismsinGeography:- systematic&regionalgeography. 3. Physical&humangeography. 4. Regionalgeography:-Conceptofregion, types of Region : Geographical–Physical&Cultural.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	1. Regionalizationandtheregionalmethod,delimitation. 2. Thequantitativerevolution,responses to positivism,behaviourism, humanisticGeography. 3. Historical Development:- ContributionsofdifferentScholarsduringancient Greek&Roman– Homer,Herodotus,Strabo&Tolmy.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
April	1. Historical Development:- ContributionsofdifferentScholarsduringancient AncientIndian–Aryabhatt,Barahmihir. 2. Medieval(TheGreatAgeofMaritime, Discovery andExploration). 3. ModernperiodGermanSchool–	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

	A.V.Humbolt,CarlRitter,Friedrich Ratzel.		
May	1. French School –Vidal-De-Blache,JeanBrunhes. 2. BritishSchool–H.J. Mackinder,L.D.Stamp. 3. American School- E. C. Semple,G.Taylor, Geography in the 20th Century.	24	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr.Kirti Pandey

Class:M.A.I(Paper- V)

CourseType:Practical Coursecode/Title:MGG 105/AdvanceCartography

Name ofProf./Asst. Prof.	TopicofLecture	Month/Weak	No. ofLecture	Method
Dr.B. Mahule	1.GraphsandDiagrams: - Triangular Graph, LogarithmicandSemi Logarithmic graphs, Scatter graphs, and Climatograph.	July	09	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
		August	10	
	2.Proportional circles, spheres and cubes diagram.	September	12	
		October	11	
	3.Thematic Maps :- Chorocromatic, Choropleth,Dotmaps, Flowmaps.	November	10	
Preetibala Chandrakar	1. MorphmetricAnalysis: -Profiles.	July	02	1. Lecture 2.ChalkandTalk 3.GroupDiscussion
		August	10	
		September	11	

	2. Slope Analysis,Drainageanalysis,BlockDiagrams.	October	10	4.ProblemSolving
		November	11	

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof./G.L.:PrashantDube Class : M.A. II (Paper- I)CourseType:Theory
Coursecode/Title:MGG201/Climatology

Month/Weak	TopicofLecture	No. oflectures	Methods
January	**Introduction:** 1. Meaning&definition,ScopeofClimatology,Climatology&Meteorology. 2. Compositionandstructureofatmosphere. 3. AtmosphericHumidity– Absolute,relative,specifichumidity.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. Worldpatternofprecipitation. 2. AcidRain **AtmosphericAircirculation:** 3. Airmasses:Meaning&Concept,SourceRegion,ModificationofAirmass,classificationofAirPrecipitation. 4. Oceanatmosphericinteraction:EINinoandLaNina &WalkerCirculation&El-Nino-SouthernOscillstion(ENSO) 5. Cyclones:-Tropical&Temperate.	25	1. Lecture 2. ChalkandTalk 3. GroupDiscussion 4. ProblemSolving
March	1. ClimaticclassificationofKoppen,Climatic classification ofThornthwaite. 2. TropicalClimaticRegionoftheWorld:Equatorial,MonsoonandSavanna. 3. Temperate&coldclimaticregionof theworld: Mediterranean, Steppe	26	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving

	andTundra		
April	**ClimaticChange&AppliedClimatology**: 1. ClimaticchangesitsEvidencesandpossiblecauses. 2. Global warming and itsenvironmentalimpacts.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	InterpretationandgenerationofClimaticinformationespecially:Climate&soils,Climate & agriculture activities, Climate &Settlement,Weatherand Health.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr.Omkumari Verma and Dr. Vandana yadav Class : M.A. II(Paper- II)CourseType:Theory
Coursecode/Title:MGG201/PopulationGeography

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. PopulationGeography:-Scopeandobjectives. 2. Development of Population Geographyas a field of specialization – PopulationGeographyand Demography. 3. Sourcesofpopulation data.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. Census – meaning, historicaldevelopment,methods. 2. PopulationDistributionoftheworld&theirdeterminants. 3. Population:Densityandgrowth-Worldpatternand theirdeterminants.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	1. Population distribution, density andgrowthprofileofIndia. 2. Population theories – DemographicandTransition. 3. Populationcomposition:AgeandSex-ratio,World and India.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
April	1. Population composition - Urbanization,occupationalstructure,ofworld&India. 2. Population dynamics: - MeasurementsofFertilityand mortality. 3. Migration: - National and internationalpattern.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	1. Populationanddevelopment. 2. Population–Resourceregions.	23	1. Lecture

	3. PopulationpoliciesindevelopedandLessdeveloped Countries. 4. India'spopulationpolicies.		2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr.Kirti Pandey Class : M.A. II(Paper- III)CourseType:Theory
Coursecode/Title:MGG203/RegionalPlanning&Development

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. RegionalPlanning:Definition,Scope,evolutionand objective. 2. Regionand Regionalism, PlanningRegion:Conceptand Delineation. 3. ConceptofRegions.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. Central Place Theory, Concept of coreandperipheryFriedmannModelofSpatialOrganizationandEconomicGrowth. 2. RegionalDevelopmentTheories.DevelopmentTheoryofMyrdalandHirschman. 3. EconomicandExportBasemodel.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	1. Frank'sTheoryofUnder development. 2. GrowthPoleModel. 3. Approaches and Strategies ofRegionalDevelopment. 4. AgropolitanDevelopment	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
April	1. CommunityDevelopment.River BasinPlanning. 2. Metropolitan Planning (withreferenceto India) 3. RegionalPlanninginIndia.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

May	1. RegionalImbalancesand Inequalities. 2. Planning for special problem Region:Tribal area(Balod block C.G.), Droughtproneareas. 3. CommandareasandRiverbasins.RegionalPlanning andDevelopment inIndia.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:PreetibalaChandrakar Class : M.A. II(Paper- IV)CourseType:Theory
Coursecode/Title:MGG204/RemoteSensingTechniques

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. Meaning and Basic Concept ofRemoteSensing. 2. Basic Principles of MicrowaveRemoteSensing. 3. Remote Sensing Platforms andSensor.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. DigitalImageProcessing. 2. Types of Image, Advantage of DigitalImage. 3. ImageProcessing Methods, Reasonsforlowcontrast,ContrastEnhancementTechnique.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	1. Fundamentals Concept of AerialPhotography. 2. Stereoscopic Vision. Air PhotoInterpretation. 3. Fundamental Concept ofPhotogrammetry. 4. Meaning,Development.GeometryofPhotographs.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

April	1. TypesofProjection. 2. MethodofScaleDeterminationofAerialPhotographs andMaps. 3. RemoteSensingApplications-Landuseand Landcover.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	1. ApplicationsofRemoteSensinginGeology. 2. ApplicationsofRemoteSensinginHydrology. 3. ApplicationsofRemoteSensinginForestry.	23	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY Class: M.A.II(Paper-V)

CourseType:Practical Course code/Title: MGG 205/Map Projection, Interpretation ofToposheet& Surveying

Name ofProf./Asst.Prof./G.L.	TopicofLecture	Month/Weak	No. ofLecture	Method
Preetibala Chandrakar	1. Interpretationof map –Topographicalsheet 2. Dumpylevelsurvey. 3. Theodolitesurvey.	January	05	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving
		February	06	
		March	06	
		April	04	
		May	05	
Preetibala Chandrakar	1.ComputerCartography-DataStorage,ElementsofDigitalCartography,Coding and ClassificationofMapContents,Cartographic Symbols.	January	05	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.Problem Solving
		February	05	
		March	06	
		April	04	
		May	05	
Dr.Anil mishra	1.MapProjection–properties andConstructionofWorldprojection,Choiceofprojection.	January	04	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving
		February	08	
		March	07	
		April	05	
		May	08	

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof. : Dr. Anil Mishra Class :M.A.III(Paper-I)

CourseType:Theory Coursecode/Title:MGG301/Oceanography

Month/Weak	TopicofLecture	No. oflectures	Methods
July	**Introduction:** 1. Oceanography:Natureandscope. 2. HistoricaldevelopmentofOceanography. 3. MajorfeaturesofoceanBasins:ContinentalShelf ,ContinentalSlope,DeepSeaPlainandTrenches. 4. MarineDeposits.	27	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	**Physicalandchemicalproperties andCurrentsofseawater:** 1. Temperature&Salinity. 2. Surface Currents of Pacific,Atlantic& IndianOcean. 3. Thermohaline. 4. Tides:Meaningandconcept,Generationforces,T idetiming,TypesoftideTheoriesofTideorigin: Stationary Waves Theory ofHarishandProgressiveWave TheoryofWilliamHavell.	29	1. Lecture 2.ChalkandTalk 3. GroupDiscussion 4. ProblemSolving
September	**MarineBiologicalEnvironment:** 1. Bio–Geochemicalcyclesintheocean. 2. Marine Biozones: Concept,Significancesand types. 3. TypesofOrganisms(MarinelifeForms):- Plankton, Nekton and Benthos.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

	4.Major Marine Environment:Coastal Wetland, estuaries & pelagicHabitatsEnvironment.		
October	1. Impact of Human on MarineEnvironment. 2. ExclusiveEconomicZone. 3. LawofSea. 4. Formation of coral – reefs:TheoriesofCoral –reefandAtolls: I. Subsidence Theory ofDarwin. II. StandStillTheoryofMurray. III. Glacial Control Theory of Dally.	29	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	1. Formationofcoral–reefs:TheoriesofCoral –reef andAtolls: IV. Subsidence Theory ofDarwin. V. StandStillTheoryofMurray. 2. GlacialControlTheoryofDally.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.: Mr. Duman Lal Class : M.A. III(Paper- II)CourseType:Theory
Coursecode/Title:MGG302/SettlementGeography

Month/Weak	TopicofLecture	No. oflectures	Methods
July	1. Definition, Scope and SubjectMatter. 2. EvolutionofRuralSettlements. 3. TypesofRuralSettlements. 4. MorphologyofRuralSettlements.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	1. RuralDwellingsandHouseTypes. 2. RuralServiceCenters. 3. ProblemsofRuralSettlements. 4. PlanningofRuralSettlements.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	1. SiteandSituationofTowns. 2. OriginandGrowthofTowns. 3. UrbanFunctionsandFunctionalClassificationof Towns.	28	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	1. CentralPlaceTheory 2. HierarchyofUrbanSettlements. 3. Urban Land –useandInternalStructureof Cities.	27	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	1. UrbanMorphology. 2. Urban Problems and UrbanPlanning.	29	1. Lecture 2. ChalkandTalk

			3. GroupDiscussion 4. ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr. preetibala Chandrakar and Dr.Omkumari Verma Class:M.A.III(Paper-III)

CourseType:Theory Course code/ Title: MGG 301/ REGI GEOGRAPHY OF MESO REGION OFTHEWORLDWITH SEPECIAL REFERENCETOMONSOON ASIA

Month/Weak	TopicofLecture	No. oflectures	Methods
July	1. Region as a geographical entity:meaningdefinition,evolutionandregionalConcept. 2. BasisofRegionalization/grouping of countries – NaturalRegion. 3. CulturalRegion&politicalRegion. 4. A Survey of systematic groupingcountries:- examples : MonsoonAsia-EastAsia,SouthAsia,South-EastAsia.	25	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving
August	1. SystematicGeographyofmonsoonAsia,physicalresources-MineralResources. 2. PowerResources–coal,petroleum,hydro-electricity. 3. BioticResources–Forest. 4. Physicalresourcesanddevelopmentissuesof MonsoonAsia.	26	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.Problem Solving
September	1. SystematicGeographyofmonsoonAsiaintermsofpopulation. 2. Human Settlements in monsoonAsia. 3. UrbanizationofmonsoonAsia. 4. Immigration.	24	1. Lecture 2.ChalkandTalk 3.GroupDiscussion 4.ProblemSolving

October	1. Immigration. 2. SystematicGeographyofmonsoonAsiaintermsofitseconomy–Agriculture. 3. IndustriesinmonsoonAsia.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	1. Regionin the context ofglobalization. 2. Changing populationenvironmentRelationship.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof./G.L.:PreetibalaChandrakar Class : M.A. III(Paper- IV)CourseType:Theory
Coursecode/Title:MGG304/GeographyandEcosystem

Month/Weak	TopicofLecture	No. oflectures	Methods
July	1. GeneralSystem:-Ecologicalconcepts– GeographyashumanEcology. 2. Ecosystem– Conceptandcomponents,EcosystemFormandfunction :- Trophic Level ecologicalpyramids,Ecologicalniche,energyandNutrientintheecosystem.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	1. Hydrologicalcycle. 2. FoodChainsandwebs. 3. Major terrestrial Ecosystems of theworld:Agricultural,Forests,Grasslandand Desert. 4. Population growth andEnvironment.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	1. LandResources. 2. WorldfoodSecurity. 3. Man– EnvironmentRelationship:Resourceuseandecologicalimbalancewith Referencetosoil,forestsand energyresources.	27	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	1. BiodiversityRegionsof India. 2. SardarSaroverProjectandnationalParks. 3. EnvironmentalLegislation–LawinIndia –wild lifeAct,	28	1. Lecture 2. Chalk and Talk3.GroupDiscussion

			4.ProblemSolving
November	1. WaterAct, 2. Forest Act, 3. Environment Protection Act andNationalEnvironment,TribunalAct.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr. Pritibala chandrakar

Class:M.A. III(Paper-V)

CourseType:Practical Course code/Title: MGG 305/Remote Sensing and QuantitativeTechniques

Name ofProf./Asst.Prof./ G.L.	TopicofLecture	Month/Weak	No. ofLecture	Method
PreetibalaChandrakar	1. Study of satelliteImage-Annotation,Identification offeatures on FCCImageries, Tracingof details fromsatelliteimageries. 2. Basic Principles ofImageinterpretation ofPhysical and culturaldetails andpreparation of Landuse andLand covermap using IRSImages. 3. cartographicModeling :Supervised andUnsupervised digitalimageclassification.	July	15	1. Lecture 2. Chalk andTalk 3.GroupDiscussion 4. ProblemSolving
		August+September	12	

		October +November	12	
Dr.B. Mahule	1. MeasuresofCentraltendency,Dispersion andVariability, ProductMoment Correlation, RankCorrelation. 2. Linear-Regression. 3. HypothesisTesting; Chi-squareand **"T"** tests, SamplingTechniques:Point,Line and AreaSampling.	July	10	1. Lecture 2. Chalk andTalk 3. GroupDiscussion 4. ProblemSolving
		August+September	11	
		October+November	15	

Teaching PlanAcademicYear:2023-24

NameofDepartment:GEOGRAPHY

NameofProfessor: Dr. Priti Bala Chandrakar Class : M.A-III (Paper- IV)CourseType:Theory

Coursecode/Title:BGG01/Research Methodology

Month/Weak	TopicofLecture	No.oflectures	Methods
July	Research Methodology:Nature of Scope of research methodology Procedure of scientific research, Characteristics,	12	3. Lecture 4. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
August	research Problem, research Design, Formation Hypothesis- types. Data Source	13	3. Lecture 4. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
September	Methods of data collection: Observation,Questionnaire, Schedule, Interview. Coding, Tabulation Classification	12	3. Lecture 4. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
October	Types of Sampling Technique: Probability and Non Probability. Layout, Data Processing and Analysis	13	3. Lecture 4. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
November	Measures of Dispersion: Mean Deviation and coefficient of	12	1. Lecture

	Variation, Steps of Research reports, Types of Reports,		2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
December	Corrlation : types product moment of carl pearson”s and rank Correlationof spearman . Preparation of Research Reports	13	3. Lecture 4. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2024-23

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr.Anil Mishra Class : M.A. IV(Paper- I)CourseType:Theory
Coursecode/Title:MGG401/AgricultureGeography

Month/Weak	TopicofLecture	No. oflectures	Methods
January	**IntroductiontoAgriculturegeography:** 1. Nature&scope:Meaning&definition,Scopeandobjectives. 2. Development History of Agriculturegeography 3. Approachestothestudyofagricultural Geography: Systematic,Regional,Inductive,Deductive,Behavioural,Ecologicaland Welfare.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	**AgriculturalLanduse:** 1. Determinants factors of agriculturalLandusesuchasPhysical,economic,socialandTechnological. 2. AgricultureLandholdingandlandtenuresystems, Landreforms&Govt.LandusePolicyandPlanning. 3. Methods of Agricultureregionalization: Crop Combination Region and methodsofMeasurements, ConceptofCroppingintensityand methodsofmeasurement, CroppingPattern.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	**Theories of agricultural locationbased onmulti-dimensionedfactors&LandCapability:**	25	1. Lecture 2. ChalkandTalk

	1. Von Thunen's theory of agriculturallocationanditsrecentmodifications 2. Whittlesey's classification of agriculturalregions.		3. GroupDiscussion 4. ProblemSolving
April	1.LanduseandLandCapability:Meaning,purpose,landusecapabilityClassificationinIndia,BritainandUnitedStatesofAmerica. **Agriculturalissues&ChallengesinIndia:** 1.GreenRevolution, WhiteRevolution,Dry LandFarming	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	2. Contemporary Issues of IndianAgriculture: Drought and food security,Roleof irrigation, Fertilizers and insecticide-pesticides, Technologicalknowhow. 3. AgriculturalPolicyinIndia.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof./G.L.:Vandna Yadao Class : M.A. IV(Paper- II)CourseType:Theory
Coursecode/Title:MGG402/BioGeography

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. Definition,ScopeanddevelopmentofBiogeography 2. Environment&Habitat. 3. Plant-Animalassociation.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. Biometypes–Tropical,Temperate&Polar. 2. Elements of plant geography.Distributionofforestsandmajorcommunities.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	1. Plantsuccession–Meaning&Tyeps 2. Plantsuccessionsinnewlyformedlandforms. 3. Zoo-geography and itsEnvironmentalRelationship.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
April	1. Worldzoo-geographicalregions. 2. Palaeo-botnical records ofenvironmentalchangein India. 3. Palaeo-climatological records ofenvironmentalchangein India.		1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	1. NationalForestPolicyofIndia&Chhattisgarh. 2. ConservationofBioticResources. 3. Forest.		1. Lecture 2. ChalkandTalk

	WildLife.		3. GroupDiscussion 4. ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof.:Dr.Duman Lal Class : M.A. IV(Paper- III)CourseType:Theory
Coursecode/Title:MGG403/NaturalResourcesManagement

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. Introduction-Concept,models. 2. Approaches to natural resourcemanagement. 3. Problemsofresourceutilization.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. Populationpressure-developmentandresourceuse. 2. Useandmisuseofresources-GlobalandIndian scenario. 3. Historical background and futureprospectsof variousresources.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.Problem Solving
March	1. Soil&Waterresource. 2. Minerals&forests resource. 3. Conservationandmanagementofresources:-Meaning& principles.	25	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
April	1. Philosophyandapproachestoconservation. 2. Resourceconservationandmanagementmethods. 3. Resourceappraisalandpolicymaking:-Appraisaloflandresources.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	1. UseofGISandRemoteSensinginresourceappraisal. 2. Conservation of resources &	23	1. Lecture

	ResourceDevelopment. 3.Sustainableresourcemanagementconcept&methods.		2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

NameofProf./Asst.Prof./G.L.:PreetibalaChandrakar Class:M.A.IV(Paper-IV)

CourseType:Theory Course code/Title: MGG 403/ Geographical Information System &ComputerMapping

Month/Weak	TopicofLecture	No. oflectures	Methods
January	1. MeaningandConceptofGIS,Objective,historyofGIS,DataMethod-Rasterand Vector. 2. Computer requirement for RemoteSensingand GIS. 3. GISDataModelandStructure,types.SpatialData ModelsforGIS.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
February	1. DataInputtingMethodandEditing. 2. GISandRemoteSensingIntegration: Definition, Problems inIntegrationUsingReferenceSystem. 3. Internet GIS: Definition of Internet,SpecialworkofInternet,Components of Inter Net: ExternalComponents,InternalComponents.	26	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
March	1. Transmission Control Protocol: ICP/InternetProtocol-IPNetwork. 2. InternetandGIS-AdvantageofGIS. 3. Digital Elevation Model-Definition,DigitalTerrainModelVariousStructure of DEM.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

April	1. ComputerCartography:DefinitionofCartography andGeographicalInformationSystem,factorsaffecting the ComputerCartography. 2. CartographicDataStorage. 3. Principle of Computer Cartography,CartographicInformationAnalysis.Symbology,CartographicsignSystem. 4. DigitalCartography:CartographicModels,ElementsofDigitalCartography,MapandDigitalspatialdataBase.	24	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving
May	1. DataModelingforCreatingDigitalspatialData,CodingandClassificationof MapContents. 2. PhysicalDesign,MapDesign,MapLiteracy,Digital CartographyandGIS 3. AutomatedCartography-CommonElementsofMaps,RelevanceofElements,MapLayoutElements,Effective Communication Elements,CartographicSymbols.	23	1. Lecture 2. Chalk and Talk3.GroupDiscussion 4.ProblemSolving

Teaching PlanAcademicYear:2023-24

Nameof Department:GEOGRAPHY

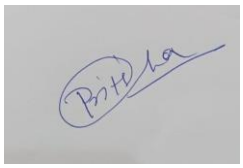
NameofProf./Asst.Prof. :PreetibalaChandrakar Class:M.A. IV(Paper- V)

CourseType:Practical Course code/Title: MGG 405/Project Based on Field Work(PhysicalandSocio EconomicSurvey)

NameofProf./Asst. Prof./G.L.	TopicofLecture	Month/Weak	No. ofLecture	Method
PreetibalaChandrakar & Dr.B.Mahule	Tracetheprominentfeaturesofareatobesurveyed, identifysalientlandfromfeaturesofselectedarea on a topographicalsheet. **Unit –I** Identifythelandformson the surface, while inthe field. Also note theagentsoferosion,transportationanddepositionassociatedwiththelandforms. **Unit–II** Observe the relationshipofvariouslandforms,floraandfaunawithland-use,settlementstructureandlifestyleofpeople.	January + Fabruary	15+21	1. Lecture 2. Chalk andTalk 3. GroupDiscussion 4. ProblemSolving
		March +April	23+22	

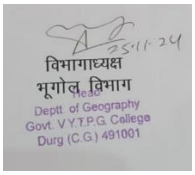
	Unit–III Procureacadastralmapofthevillage/town for field mappingofthefeaturesofland –useandlandquality.Procure/prepare thesettlement–sitemapthroughrapidsurveytomap the residential,commercial,recreational (parks,playground),educational. Religiousand other Prominentfeatures. **Unit–IV** Conductasocio–economic survey of thehouseholdswithastructured. Supplementtheinformationbypersonalobservationsandperceptions. **Unit–V** Basedonobservationsoftheland-useandresultsofthesocio-economicenquiryofthe households,prepare a critical field –survey report.Photographs andsketches, in addition tomapsanddiagrams,			
		May	24+22	

	may supplement thereport.			



CRITERIA INCHARGE

DR. PREETIBALA CHANDRAKAR



HOD GEOGRAPHY

DR. ANIL MISHRA



PRINCIPAL

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME : - AMBALIKA CHOUHAN **CLASS :- M.Sc. I SEM**

PAPER- II **TITLE –REAL ANALYSIS– I**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I	Sequences and series of functions. Pointwise and uniform convergence. Cauchy criterion for uniform convergence. Weierstrass M-test, Abel's and Dirichlet's tests for uniform convergence. Uniform convergence and continuity. Uniform convergence and differentiation, Weierstrass approximation theorem.	21	1.Chalk and talk method 2. Flip the class
October	II	Power series uniqueness theorem for power series. Abel's and Tauber's theorems. Rearrangements of terms of a series. Riemann's theorem.	17	3.Group discussion
November	III	Functions of several variables linear transformations derivatives in an open subset of R^n, Chain rule, Partial derivatives, Interchange of the order of differentiation, Derivatives of higher orders, Taylor's theorem, Inverse function theorem, Implicit function theorem.	19	4.Problem Solving
December	IV	Extremum problems with constraints. Lagrange's multiplier method. Differentiation of integrals. Partitions of unity. Differential forms. Stoke's theorem	17	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME - AMBALIKA CHOUHAN **CLASS - M.SC. II SEM**

PAPER- II **TITLE- REAL ANALYSIS (II)**

Month	Covered Topic	Classes	Method/Mode of Delivery
January	Definition and existence of Riemann-Stieltjes Integral. Properties of the integral. Integration and differentiation. The fundamental theorem of calculus. Integration of Vector-valued functions. Rectifiable curves.	18	1.Chalk and talk method 2. Flip the class 3.Group discussion 4.Problem Solving
February	Lebesgue outer measure. Measurable sets. Regularity. Measurable functions. Borel and Lebesgue measurability. Non-measurable sets. Integration of non-negative functions. The general integral. Integration of series.	18	
March	Measures and outer measures, Extension of a measure. Uniqueness of extension. Completion of a measure. Measure spaces. Integration with respect to a measure. Riemann and Lebesgue Integrals	24	
April	The four derivatives. Functions of bounded variation. Lebesgue differentiation theorem. Differentiation and integration. The L^p-spaces. Convex functions. Jensen's inequality. Holder and Minkowski inequalities. Completeness of L^p. Convergence in measure. Almost uniform convergence.	24	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- AMBALIKA CHOUHAN **Class :B.Sc. I SEM**

Paper- DSC **Title- CALCULUS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Differentiability and its geometrical interpretation; Rolle's theorem, Lagrange's mean value theorem, cauchy's mean value theorem and their geometrical interpretation, Darbox's theorem. Successive differentiation and Lebnitz theorem, Maclaurin's and taylor's theorem for expansion of function	19	1.Flip the class 2.Group discussion
October	II/III	Taylors theorem in finite form with lagrange, Cauchy and Roche-Schlomilch forms of remainder. Curvature; Aymptotes of general algebraic curves, parallel Asymptotes, asymptotes parallel to axes. Point of inflection, tangent at origin, multiple points	20	3.Problem Solving 4.Virtual Classes
November	III/IV	Position and nature of double points, tracing of cartesian , polar and parametric curves. Limit, continuity and first order partial derivatives, higher order partial derivatives, change of variable, Euler's theorem for homogeneous functions .Taylors theorem ,total differentiation and jacobian	22	
December	V	Double integration and rectangular and non rectangular regions , Double integrals in polar coordinates, Tripal integral over a parallelepiped and solid regions ,volume by tripal integrals .		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME :-AMBALIKA CHOUHAN **CLASS :B.SC. II SEM**

PAPER- DSC **TITLE- DIFFERENTIAL EQUATION**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Basic Concept and genesis of ordinary differential equations, order and degree of a differential equation, differential equation of first order and first degree.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	I/II	Equations in which variables are separable, homogeneous equations, linear differential equations and equations reducible to linear form. Statement of existence and uniqueness theorem for linear differential equations, general theory of linear differential equations of second order with variable coefficients, solution ofhomogeneous linear ordinary differential equations of second order with constant coefficients.	20	
MARCH	III/IV	linearly dependent and linearly independent solutions on an Interval, Wronskian and its properties,concept of a general solution of a linear differential equation. Power series method, Bessel's equation, Bessel's function and their properties, Recurrence relations.	22	
APRIL	V	Simple harmonic motion, Velocities and acceleration along radial and transverse direction		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- AMBALIKA CHOUHAN **Class :B.Sc. III SEM**

Paper- DSC **Title-ABSTRACT ALGEBRA**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Definition and examples of groups, Elementary Properties of groups, Symmetric group, Abelian Group, The Dihedral groups. Modulo, its properties and examples. Subgroups and examples of subgroups, Centralizer, Normalizer, Center of a group, Product of two subgroups.	22	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	III	Cyclic groups, Properties of Cyclic groups, Normal subgroups, Cosets, Properties of Cosets, Factor groups, Lagrange's theorem.	20	
November	IV	Permutation groups, Cycle notation for permutations, Properties of Permutations, Even and odd Permutations, alternating groups. Group homomorphisms, Properties of homomorphisms	25	
December	V	Kernel of homomorphism, Group isomorphisms, Cayley's theorem, Properties of isomorphisms, First, Second and Third isomorphism theorem for groups.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :-AMBALIKA CHOUHAN **Class :B.Sc. IV SEM**

Paper- DSC **Title- REAL ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Algebraic and order properties of Absolute value of a real number; Bounded above and bounded below sets, Supremum and infimum of a nonempty subset of Real number.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	II/III	The completeness property of R, Archimedean property, Density of rational numbers in Definition and types of intervals, Nested intervals property; Neighborhood of a point in , Open and closed sets in real number. Convergent sequence, Limit of a sequence, Bounded sequence.	20	
MARCH	III/IV	Limit theorems, Monotone sequences, Monotone convergence theorem, Subsequences, Bolzano-Weierstrass theorem for sequences, Limit superior and limit inferior for bounded sequence, Cauchy sequence, Cauchy's convergence criterion. Convergence and divergence of infinite series of real numbers, Necessary condition for convergence, Cauchy criterion for convergence; Tests for convergence of positive term series: Integral test,	29	
APRIL	V	Basic comparison test, Limit comparison test, D'Alembert's ratio test, Cauchy's *n*th root test. Alternating series, Leibniz test, Absolute and conditional convergence, Abel's test, Dirichlet test, Test for absolute Convergence.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME:- AMBALIKA CHOUHAN **CLASS - B.SC. III YEAR**

PAPER- II **TITLE - ABSTRACT ALGEBRA**

Month	Covered Topic	Classes	Method/ Mode of Delivery
September	Group – Automorphism, inner automorphism. Automorphism groups. Conjugacy relation.Normalizer. Counting principle and the class equation of a finite group. Center for groupsof prime order. Abelianizing of a group and its universal property. Sylow's theorems. Sylow subgroup. Structure theorem for finite abelian groups.	12	1.Chalk and talk method 2.Flip the class 3.Group discussion 4.Problem Solving
October	Ring theory - Ring homomorphism. Ideals and Quotient rings. Field of quotients of an integraldomain. Euclidean rings. Polynomial rings. Polynomials over the rational field. Eisenstien criterion. Polynomial rings over commutative rings. Unique factorization domain. R-unique factorization domain implies so is R $[x_1,x_2\ldots\ldots x_n]$. Modules, submodules.	12	
November	Quotient modules. Homomorphism and isomorphism theorems. Definitions and examples of vector space. Subspaces. Sum and direct sum of subspaces. Linear span. Linear dependence, independence and their basic properties. Basis. Finite dimensional vector spaces. Existence theorem for basis.	10	
December	Invariance of the number of elements of a basis set. Dimension. Existence of complementary subspace of a finite dimensional vector space. Dimension of sums of subspaces. Quotient space and its dimension.Linear transformation and their representation as matrices. The algebra of linear transformations. The rank-nullity theorem. Change of basis. Dual space, Bidual space	12	
January	natural isomorphism. Adjoint of linear transformation. Eigen values and eigenvectors of a linear transformation. Diagonolisation, Annihilators of a subspace. Bilinear, Quadratic and Hermilton forms.	10	
February	Inner product spaces - Cauchy-Schwarz inequality. Orthogonal vectors. Orthogonal complements. Orthogonal normal sets and basis.	12	
March	Bessel's inequality and for finite dimensional spaces. Gram-Schmidt orthogonalization process.	09	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME – BIJMA KUMARI **CLASS – M.Sc. III SEM**

PAPER- II **TITLE- PARTIAL DIFFERENTIAL EQUATIONS**

Month	Covered Topic	Classes	Method/Mode of Delivery
September	Examples of PDE. Classification.Transport Equation - Initial value Problem. Non-homogeneous equation. Laplace's Equation - Fundamental Solution. Mean Value Formulas. Properties of Harmonic Functions. Green's Function. Energy Methods. Heat Equation - Fundamental Solution. Mean Value Formula. Properties of Solutions. Energy Methods. Wave Equation - Solution by Spherical Means. Non-homogeneous Equations. Energy Methods	20	1.Chalk and talk method 2. Flip the class 3.Group discussion 4.Problem Solving
October	Nonlinear First Order PDE-Complete Integrals. Envelopes, Characteristics. Hamilton Jacobi Equations (Calculus of Variations. Hamilton's ODE. Legendre Transform. Hopf-Lax Formula. Weak Solutions. Uniqueness). Conservation Laws	17	
November	Representation of Solutions - Separation of Variables. Similarity Solutions (Plane and Travelling Waves. Solitons. Similarity under Scaling). Fourier and Laplace Transform. Hopf-Cole Transform. Hodograph and Legendre Transforms. Potential Functions	23	
December	Asymptotic (Singular Perturbations. Laplace's Method. Geometric Optics. Stationary Phase. Homogenization). Power Series (Non-characteristic Surfaces. Real Analytic Functions. Cauchy-Kovalevskaya Theorem).	15	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME -BIJMA KUMARI **CLASS - M.SC. IV SEM**

PAPER- II **TITLE- MECHANICS**

Month	Covered Topic	Classes	Method/Mode of Delivery
January	Generalized coordinates. Holonomic and Non-holonomic systems. Scleronomic and Rheonomic sytems. Generalized potential. Lagrange's equations of first kind. Lagrange's equations of second kind. Uniqueness of solution. Energy equation for conservative fields. Hamilton's variables. Donkin's theorem. Hamilton canonical equations. Cyclic coordinates. Routh's equations	18	1.Chalk and talk method 2. Flip the class 3.Group discussion 4.Problem Solving
February	Poisson's Bracket. Poisson's Identity. Jacobi-Poisson Theorem. Motivating problems of calculus of variations, Shortest distance. Minimum surface of revolution. Brachistochrone problem. Isoperimetric problem. Geodesic. Fundamental lemma of calculus of variations. Euler's equation for one dependent function and its generalization to (1) 'n' dependent functions, (ii) higher order derivatives. Conditional extremum under geometric constraints and under integral constraints. Hamilton's Principle. Principle of least action. Poincare Cartan Integral invariant	18	
March	Whittaker's equations. Jacobi's equations. Statement of Lee Hwa Chung's theorem. Hamilton-Jacobi equation. Jacobi theorem. Method of separation of variables. Lagrange Brackets. Condition of canonical character of a transformation in terms of Lagrange brackets and Poisson brackets, invariance of Lagrange brackets and Poisson brackets under canonical transformations	24	
April	Attraction of rod, disc, spherical shells and sphere. Surface integral of normal attraction (application & Gauss' theorem). Potential of rod, disc, spherical shells and sphere. Laplace and Poisson equations. Work done by self attracting systems. Distributions for a given potential. Equipotential surfaces. Surface and solid harmonics. Surface density in terms of surface harmonics	24	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME :- BIJMA KUMARI **CLASS :B.SC. I SEM**

PAPER- DSC **TITLE- CALCULUS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Differentiability and its geometrical interpretation; Rolle's theorem, Lagranges mean value theorem, cauchy's mean value theorem and their geometrical interpretation, Darbox's theorem. Successive differentiation and Lebnitz theorem , Maclaurin's and taylor's theorem for expansion of function	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	II/III	Curvature; Aymptotes of general algebraic curves, parallel Asymptotes, asymptotes parallel to axes. Point of inflection , tangent at origin ,multiple points	20	
November	III/IV	Position and nature of double points, tracing of cartesian , polar and parametric curves. Limit , continuity and first order partial derivatives ,higher order partial derivatives ,change of variable ,Euler's theorem for homogeneous functions .Taylors theorem ,total differentiation and jacobian	22	
December	V	Double integration and rectangular and non rectangular regions , Double integrals in polar coordianates ,Tripal integral over a parallelepiped and solid regions ,volume by tripal integrals .		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME :- BIJMA KUMARI **CLASS :B.SC. II SEM**

PAPER- DSC **TITLE- DIFFERENTIAL EQUATION**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Basic Concept and genesis of ordinary differential equations, order and degree of a differential equation, differential equation of first order and first degree.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	I/II	Equations in which variables are separable, homogeneous equations, linear differential equations and equations reducible to linear form. Statement of existence and uniqueness theorem for linear differential equations, general theory of linear differential equations of second order with variable coefficients ,solution ofhomogeneous linear ordinary differential equations of second order with constant coefficients.	20	
MARCH	III/IV	linearly dependent and linearly independent solutions on an Interval, Wronskian and its properties,concept of a general solution of a linear differential equation. Power series method, Bessel's equation, Bessel's function and their properties, Recurrence relations.	22	
APRIL	V	Simple harmonic motion, Velocities and acceleration along radial and transverse direction		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME :- BIJMA KUMARI **CLASS :B.SC. III SEM**

PAPER- DSC **TITLE-ABSTRACT ALGEBRA**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Definition and examples of groups, Elementary Properties of groups, Symmetric group, Abelian Group, The Dihedral groups. Modulo, its properties and examples. Subgroups and examples of subgroups, Centralizer, Normalizer, Center of a group, Product of two subgroups.	22	1.Flip the class 2.Group discussion
October	III	Cyclic groups, Properties of Cyclic groups, Normal subgroups, Cosets, Properties of Cosets, Factor groups, Lagrange's theorem.	20	3.Problem Solving
November	IV	Permutation groups, Cycle notation for permutations, Properties of Permutations, Even and odd Permutations, alternating groups. Group homomorphisms, Properties of homomorphisms	25	4.Virtual Classes
December	V	Kernel of homomorphism, Group isomorphisms, Cayley's theorem, Properties of isomorphisms, First, Second and Third isomorphism theorem for groups.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME :- BIJMA KUMARI **CLASS :B.SC. IV SEM**

PAPER- DSC **TITLE- REAL ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Algebraic and order properties of Absolute value of a real number; Bounded above and bounded below sets, Supremum and infimum of a nonempty subset of Real number.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	II/III	The completeness property of R, Archimedean property, Density of rational numbers in Definition and types of intervals, Nested intervals property; Neighborhood of a point in , Open and closed sets in real number. Convergent sequence, Limit of a sequence, Bounded sequence,	20	
MARCH	III/IV	Limit theorems, Monotone sequences, Monotone convergence theorem, Subsequences, Bolzano-Weierstrass theorem for sequences, Limit superior and limit inferior for bounded sequence, Cauchy sequence, Cauchy's convergence criterion.Convergence and divergence of infinite series of real numbers, Necessary condition for convergence, Cauchy criterion for convergence; Tests for convergence of positive term series: Integral test,	29	
APRIL	V	Basic comparison test, Limit comparison test, D'Alembert's ratio test, Cauchy's *n*th root test. Alternating series, Leibniz test, Absolute and conditional convergence, Abel's test, Dirichlet test, Test for absolute Convergence.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

TEACHER :- BIJMA KUMARI **CLASS : B.SC. III**

PAPER- III **TITLE – DISCRETE MATHEMATICS**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Sets and proposition - cardinality. Mathematical induction. Principle of inclusion and exclusion.	7	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
September	I	Computability and formal languages - Ordered sets. Languages, Phrase structure grammars. Types of grammars and languages. Permutations, Combinations and Discrete probability	13	
October	II	Graphs and planar Graphs - Basic terminology, Multi graphs, Weighed graphs, Paths and circuits, Shortest paths,	12	
November	II	Eularian paths and circuits. Travelling salesman problem, Planar graphs. Trees.	11	
December	III	Finite state machines Equivalent machines. Finitestate machines as language recognizers. Analysis of algorithms - Time complexity. Complexity of problems. Discrete numeric functions and Generating functions.	12	
January	IV	Recurrence relations and Recursive algorithms – Linear recurrence relations with constant coefficients. Homogeneous solutions. Particular solution. Total solution. Solution by the method ofgenerating functions	11	
February	V	Boolean algebras - Lattice and algebraic structures. Duality. Distributive and complemented Lattices. Boolean lattices and Boolean algebras. Boolean functions and expressions	12	
March	V	Proposition calculus. Design and implementationof Digital Networks. Switching circuits.	11	

Teacher **HOD** **Principal**

VT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

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Academic Year – 2023-24

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Department of Mathematics

Teaching Plan

Academic Year – 2023-24

Name of the Teacher :- **NIDHI SHARMA** Class : **M.Sc. I Sem.**

Paper- V **Title – Advanced Discrete Mathematics (I)**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Formal Logic-Statements. Symbolic representation and Tautologies. Quantifiers. Predicates and Validity. Propositional Logic. Semigroups & Monoids-Definitions and Examples of Semigroups and monoids (including those pertaining to concatenation operation). Homomorphism of Semigroups and monoids.	9	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
September	I & II	Congruence relation and Quotient Semigroups. Subsemigroup and submonoids. DirectProducts. Basic HomomorphisM Theorem. Lattices-Lattices as partially orderedsets- their properties. Lattices as Algebraic Systems. Sublattices. Direct products and Homomorphisms. Some special Lattices e.g.,Complete, Complemented and Distributive Lattices.	22	
October	III	Boolean Algebras. Boolean Algebras as Lattices. Various Boolean Identities. The Switching Algebra example. Subalgebras. Direct Products and Homomorphisms. Join-Irreducible elements. Atoms and Minterms. Boolean Forms and Their Equivalence. Minterm Boolean Forms. Sum of Products Canonical Forms. Minimization of Boolean Functions. Applications of Boolean Algebra to Switching Theory (using AND,OR& NOT gates).	15	
November	III& IV	The Karnaugh Map Method. Grammars and Languages-Phrase–structure Grammars. Rewriting rules. Derivations. Sententia forms. Language generated by a Grammar. Regular, Context-Free and Context Sensitive Grammars and Languages. Regular sets.	17	
December	IV	Regular expressions and the Pumping Lemma. Kleen's theorem. Notions of Syntax Analysis. Polish Notations. Conversion of Infix Expressions to Polish Notation. The Reverse Polish Notations.	17	

Teacher **HOD** **PrincipaL**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

Name of the Teacher :- **NIDHI SHARMA** Class : **M.Sc. II Sem.**

Paper- V **Title – Advanced Discrete Mathematics (II)**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
January	Unit-I	Graph Theory- Definition of (Undirected) Graphs. Paths. Circuits. Cycles and Subgraphs. Induced Subgraphs. Degree of a vertex. Connectivity. Planar Graphs and Properties, Trees. Euler's Formula for connected planar Graphs, Complete & Complete Bipartite Graphs, Kuratowski's Theorem (statement only) and its use.	12	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
February	Unit-I & II	Spanning Trees, Cut-sets, Fundamental Cut -sets, and Cycle. Minimal Spanning Trees and Kruskal's Algorithm. Matrix Representations of Graphs. Euler's Theorem on the Existence of Eulerian Paths and Circuits. Directed Graphs. In degree and out degree of a Vertex. Weighted undirected Graphs. Dijkstra's Algorithm.Strong Connectivity and Warshall's Algorithm.	22	
March	Unit II & III	Directed Trees. Search Trees. Tree Traversals. Introductory Computability Theory--Finite State Machines and their Transition Table Diagrams. Equivalence of finite State Machines. Reduced Machines. Homomorphism. Finite Automata. Acceptors.	26	
April	UnitIV	Non-deterministic Finite Automata and equivalence of its power to that of Deterministic Finite Automata. Moore and mealy Machines. Turing Machine and Partial Recursive Functions.	24	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- NIDHI SHARMA **Class :B.Sc. I SEM**

Paper- DSC **Title- CALCULUS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Differentiability and its geometrical interpretation; Rolle's theorem, Lagrange's mean value theorem, cauchy's mean value theorem and their geometrical interpretation, Darbox's theorem. Successive differentiation and Lebnitz theorem, Maclaurin's and taylor's theorem for expansion of function	19	1.Flip the class 2.Group discussion
October	II/III	Taylors theorem in finite form with lagrange, Cauchy and Roche-Schlomilch forms of remainder. Curvature; Aymptotes of general algebraic curves, parallel Asymptotes, asymptotes parallel to axes. Point of inflection, tangent at origin, multiple points	20	3.Problem Solving 4.Virtual Classes
November	III/IV	Position and nature of double points, tracing of cartesian , polar and parametric curves. Limit, continuity and first order partial derivatives, higher order partial derivatives, change of variable, Euler's theorem for homogeneous functions .Taylors theorem ,total differentiation and jacobian	22	
December	V	Double integration and rectangular and non rectangular regions , Double integrals in polar coordinates, Tripal integral over a parallelepiped and solid regions ,volume by tripal integrals .		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME :-NIDHI SHARMA **CLASS :B.SC. II SEM**

PAPER- DSC **TITLE- DIFFERENTIAL EQUATION**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Basic Concept and genesis of ordinary differential equations, order and degree of a differential equation, differential equation of first order and first degree.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	I/II	Equations in which variables are separable, homogeneous equations, linear differential equations and equations reducible to linear form. Statement of existence and uniqueness theorem for linear differential equations, general theory of linear differential equations of second order with variable coefficients, solution of homogeneous linear ordinary differential equations of second order with constant coefficients.	20	
MARCH	III/IV	linearly dependent and linearly independent solutions on an Interval, Wronskian and its properties,concept of a general solution of a linear differential equation. Power series method, Bessel's equation, Bessel's function and their properties, Recurrence relations.	22	
APRIL	V	Simple harmonic motion, Velocities and acceleration along radial and transverse direction		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

Name :- NIDHI SHARMA **Class :B.Sc. III SEM**

Paper- DSC **Title-ABSTRACT ALGEBRA**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Definition and examples of groups, Elementary Properties of groups, Symmetric group, Abelian Group, The Dihedral groups. Modulo, its properties and examples. Subgroups and examples of subgroups, Centralizer, Normalizer, Center of a group, Product of two subgroups.	22	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	III	Cyclic groups, Properties of Cyclic groups, Normal subgroups, Cosets, Properties of Cosets, Factor groups, Lagrange's theorem.	20	
November	IV	Permutation groups, Cycle notation for permutations, Properties of Permutations, Even and odd Permutations, alternating groups. Group homomorphisms, Properties of homomorphisms	25	
December	V	Kernel of homomorphism, Group isomorphisms, Cayley's theorem, Properties of isomorphisms, First, Second and Third isomorphism theorem for groups.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- NIDHI SHARMA **Class :B.Sc. IV SEM**

Paper- DSC **Title- REAL ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Algebraic and order properties of Absolute value of a real number; Bounded above and bounded below sets, Supremum and infimum of a nonempty subset of Real number.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	II/III	The completeness property of R, Archimedean property, Density of rational numbers in Definition and types of intervals, Nested intervals property; Neighborhood of a point in , Open and closed sets in real number. Convergent sequence, Limit of a sequence, Bounded sequence.	20	
MARCH	III/IV	Limit theorems, Monotone sequences, Monotone convergence theorem, Subsequences, Bolzano-Weierstrass theorem for sequences, Limit superior and limit inferior for bounded sequence, Cauchy sequence, Cauchy's convergence criterion. Convergence and divergence of infinite series of real numbers, Necessary condition for convergence, Cauchy criterion for convergence; Tests for convergence of positive term series: Integral test,	29	
APRIL	V	Basic comparison test, Limit comparison test, D'Alembert's ratio test, Cauchy's *n*th root test. Alternating series, Leibniz test, Absolute and conditional convergence, Abel's test, Dirichlet test, Test for absolute Convergence.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME- NIDHI SHARMA **CLASS – B.SC. III YEAR**

PAPER- I **TITLE - ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/ Mode of Delivery
August	I	Construction of real numbers as the completion of the incomplete metric space of rationals. Realnumbers as a complete ordered field. Definition and examples of metric spaces.	17	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
September	I	Neighborhoods.Limit points. Interior points. Open and closed sets. Closure and interior. Boundary points. Sub- Space of a metric space. Cauchy sequences. Completeness. Cantor's intersection theorem. Contraction principle.	13	
October	II	Dense subsets. Baire Category theorem. Separable space, second countable and first countable spaces. Continuous functions. Extension theorem. Uniform continuity. Isometric and homeomorphism.Equivalent metrices. Compactness.	12	
November	II	Sequential compactness. Totally bounded spaces. Finite intersection property. Continuous functions and compact sets. Connectedness. Components. Continuous functions and connected sets	11	
December	III	Complex numbers as ordered pair. Geometric representation of Complex numbers.Stereographic projection. Continuity and differentiability of complex functions. Analytic functions. Cauchy- Riemann equations. Harmonic functions. Elementary functions. Mapping by elementary functions. Mobius transformations. Fixed point. Cross ratio. Inverse points and critical mappings. Conformalmappings.	12	
January	IV	Riemann integral. Integrability of continuous and monotonic functions. The fundamental Theorem of integral calculus. Mean value theorems of integral calculus. Improper integrals and their convergence, comparison tests, Abel's and Dirichlet's tests. Frullani's integral. Integral as a function of a parameter. Continuity, derivability and integrability of an integral of a function of aparameter.	11	
February	V	Series of arbitrary terms. Convergence, divergence and oscillation. Abel's and Dirichlet's test.Multiplication of series. Double series. Partial derivation and differentiability of real valued functions of two variables.	12	
March	V	Schwarz and Youngs theorem. Implicit function theorem. Fourierseries. Fourier expansion of piece wise monotonic function.	11	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

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Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME- DR. PRACHI SINGH **CLASS – M.SC. I SEM**

PAPER- I **TITLE- ADVANCED ABSTRACT ALGEBRA (I)**

Month	Covered Topic	Classes	Method/Mode of Delivery
August	Groups - Normal and Subnormal series. Composition series. Jordan-Holder theorem.	06	1.Chalk and talk method 2. Flip the class 3.Group discussion 4.Problem Solving
September	Solvable groups.Nilpotent groups. Field theory- Extension fields.Algebraic and transcendental extensions.	24	
October	Separable and inseparable extensions. Algebraically closed fields. Perfect fields. Finite fields.	24	
November	Primitive elements. Normal extensions and splitting fields. Automorphismof extensions.	20	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME – Dr. PRACHI SINGH **CLASS – M.Sc. III SEM**

Paper- V **Title- Fuzzy sets and its Applications(I)**

Month	Covered Topic	Classes	Method/Mode of Delivery
August	Fuzzy sets. Basic definitions. α-level sets. Convex fuzzy sets. Basic operations on fuzzy sets. Type of fuzzy sets. The Extension principle-the Zadeh'sextension Principle. Cartesian products. Algebrai products. Bounded sum and difference,t- norms and t-conorms. ,Image and inverse image of fuzzy sets.	15	1.Chalk and talk method 2. Flip the class 3.Group discussion 4.Problem Solving
September	Fuzzy numbers. Elements of fuzzy arithmetic. Fuzzy Relations and Fuzzy Graphs. Fuzzy relations on fuzzy sets. Composition of fuzzy relations.	24	
October	Min-max Composition and its properties. Fuzzy equivalence. Relations. Fuzzy compatibility. Relations. Fuzzy relation equation. Fuzzy graphs. Similarity relation	24	
November	Possibility Theory. Fuzzy measures. Evidence theory.	20	
December	Necessity measure. Possibility measure. Possibility distribution. Possibility theory and fuzzy sets. Possibility theory versus probability theory.	20	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME - Dr. PRACHI SINGH **CLASS- M.SC. II SEM**

PAPER- I **TITLE- ADVANCED ABSTRACT ALGEBRA (II)**

Month	Covered Topic	Classes	Method/Mode of Delivery
January	Modules- Cyclic modules. Simple modules. Semi-simple modules. Schur's Lemma. Free modules. Noetherian and Artinian modules and Rings-Hilbert basis theorem. WedderburnArtin theorem. Uniform modules. Primary modules.	18	1.Chalk and talk method 2. Flip the class 3.Group discussion 4.Problem Solving
February	Canonical Forms - Similarity of linear transformations.Invariantsubspaces. Reduction to triangular forms.Nilpotent transformations. Index of Nilpotency. Invariants of a nilpotent transformation.The primary decomposition theorem. Jordan blocks and Jordan forms.	18	
March	Smith normal form over a principal ideal domain and rank. Fundamental structure theorem for finitely generated modules over a Principal ideal domain and its applications to finitely generated abelian groups. Rational Canonical from. Generalized Jordan form over any field .	24	
April	Linear Transformations - Algebra of linear transformation. Singular and non-singular transformations. Characteristic roots. Matrices and linear transformations.	24	

Teacher **HOD** **Principal**

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Academic Year – 2023-24

NAME – Dr. PRACHI SINGH **CLASS – M.Sc. IV**

SEM PAPER- V **TITLE- FUZZY SETS & THERE APPLICATIONS(II)**

Month	Covered Topic	Classes	Method/Mode of Delivery
January	Fuzzy Logic - An overview of classical logic. Multivalued logics. Fuzzy propositions. Fuzzy Quantifiers. Linguistic variable and hedges. Inference from conditional fuzzy proposition. The compositional rule of inference.	18	1.Chalk and talk method 2.Flip the class.
February	Approximate Reasoning. An overview of fuzzy expert system. Fuzzy implications andtheir selection Multiconditional approximatereasoning. The role of fuzzy relationequation.	20	3.Group discussion 4.Problem Solving
March	An introduction to Fuzzy Control – Fuzzy Controllers. Fuzzy Rule base. Fuzzy Inference engine. Fuzzification. Defuzzification and various defuzzification method	24	
April	Decision Making in Fuzzy Environment-Individual decision making. Multipersondecision making. Multicriteria decision making. Multistage decision making. Fuzzy ranking methods. Fuzzy linear programming	24	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- Dr. PRACHI SINGH **Class :B.Sc. I SEM**

Paper- DSC **Title- CALCULUS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Differentiability and its geometrical interpretation; Rolle's theorem, Lagrange's mean value theorem, cauchy's mean value theorem and their geometrical interpretation, Darbox's theorem. Successive differentiation and Lebnitz theorem, Maclaurin's and taylor's theorem for expansion of function	19	1.Flip the class 2.Group discussion
October	II/III	Taylors theorem in finite form with lagrange, Cauchy and Roche-Schlomilch forms of remainder. Curvature; Aymptotes of general algebraic curves, parallel Asymptotes, asymptotes parallel to axes. Point of inflection, tangent at origin, multiple points	20	3.Problem Solving 4.Virtual Classes
November	III/IV	Position and nature of double points, tracing of cartesian , polar and parametric curves. Limit, continuity and first order partial derivatives, higher order partial derivatives, change of variable, Euler's theorem for homogeneous functions .Taylors theorem ,total differentiation and jacobian	22	
December	V	Double integration and rectangular and non rectangular regions , Double integrals in polar coordinates, Tripal integral over a parallelepiped and solid regions ,volume by tripal integrals .		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- Dr. PRACHI SINGH **Class :B.Sc. I SEM**

Paper- DSC **Title- CALCULUS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Differentiability and its geometrical interpretation; Rolle's theorem, Lagrange's mean value theorem, cauchy's mean value theorem and their geometrical interpretation, Darbox's theorem. Successive differentiation and Lebnitz theorem, Maclaurin's and taylor's theorem for expansion of function	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	II/III	Taylors theorem in finite form with lagrange, Cauchy and Roche-Schlomilch forms of remainder. Curvature; Aymptotes of general algebraic curves, parallel Asymptotes, asymptotes parallel to axes. Point of inflection, tangent at origin, multiple points	20	
November	III/IV	Position and nature of double points, tracing of cartesian , polar and parametric curves. Limit, continuity and first order partial derivatives, higher order partial derivatives, change of variable, Euler's theorem for homogeneous functions .Taylors theorem ,total differentiation and jacobian	22	
December	V	Double integration and rectangular and non rectangular regions , Double integrals in polar coordinates, Tripal integral over a parallelepiped and solid regions ,volume by tripal integrals .		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME :- Dr. PRACHI SINGH **CLASS :B.SC. II SEM**

PAPER- DSC **TITLE- DIFFERENTIAL EQUATION**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Basic Concept and genesis of ordinary differential equations, order and degree of a differential equation, differential equation of first order and first degree.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	I/II	Equations in which variables are separable, homogeneous equations, linear differential equations and equations reducible to linear form. Statement of existence and uniqueness theorem for linear differential equations, general theory of linear differential equations of second order with variable coefficients, solution ofhomogeneous linear ordinary differential equations of second order with constant coefficients.	20	
MARCH	III/IV	linearly dependent and linearly independent solutions on an Interval, Wronskian and its properties,concept of a general solution of a linear differential equation. Power series method, Bessel's equation, Bessel's function and their properties, Recurrence relations.	22	
APRIL	V	Simple harmonic motion, Velocities and acceleration along radial and transverse direction		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- Dr. PRACHI SINGH **Class :B.Sc. III SEM**

Paper- DSC **Title-ABSTRACT ALGEBRA**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Definition and examples of groups, Elementary Properties of groups, Symmetric group, Abelian Group, The Dihedral groups. Modulo, its properties and examples. Subgroups and examples of subgroups, Centralizer, Normalizer, Center of a group, Product of two subgroups.	22	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	III	Cyclic groups, Properties of Cyclic groups, Normal subgroups, Cosets, Properties of Cosets, Factor groups, Lagrange's theorem.	20	
November	IV	Permutation groups, Cycle notation for permutations, Properties of Permutations, Even and odd Permutations, alternating groups. Group homomorphisms, Properties of homomorphisms	25	
December	V	Kernel of homomorphism, Group isomorphisms, Cayley's theorem, Properties of isomorphisms, First, Second and Third isomorphism theorem for groups.		

Teacher **HOD** **Principal**

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Department of Mathematics
Teaching Plan
Academic Year – 2023-24

Name :- Dr. PRACHI SINGH **Class :B.Sc. IV SEM**

Paper- DSC **Title- REAL ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Algebraic and order properties of Absolute value of a real number; Bounded above and bounded below sets, Supremum and infimum of a nonempty subset of Real number.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	II/III	The completeness property of R, Archimedean property, Density of rational numbers in Definition and types of intervals, Nested intervals property; Neighborhood of a point in , Open and closed sets in real number. Convergent sequence, Limit of a sequence, Bounded sequence.	20	
MARCH	III/IV	Limit theorems, Monotone sequences, Monotone convergence theorem, Subsequences, Bolzano-Weierstrass theorem for sequences, Limit superior and limit inferior for bounded sequence, Cauchy sequence, Cauchy's convergence criterion. Convergence and divergence of infinite series of real numbers, Necessary condition for convergence, Cauchy criterion for convergence; Tests for convergence of positive term series: Integral test,	29	
APRIL	V	Basic comparison test, Limit comparison test, D'Alembert's ratio test, Cauchy's *n*th root test. Alternating series, Leibniz test, Absolute and conditional convergence, Abel's test, Dirichlet test, Test for absolute Convergence.		

Teacher **HOD** **Principal**

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Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME OF THE TEACHER :- Dr. PADMAVATI **CLASS : M.Sc. I SEM**

PAPER- IV **TITLE – ADVANCED COMPLEX ANALYSIS (I)**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Complex integration. Cauchy-Goursat theorem. Cauchy's integral formula.	06	1. Flip the class 2. Group discussion 3. Problem Solving 4.Virtual Classes
September	I & II	Higher order derivatives. Morera's theorem. Cauchy's inequality and Liouville's theorem. Taylor's theorem. Laurent's series.The zero of an analytic function. Singular and classification of singularity. Meromorphic functions. The argument principle. Rouche's theorem.The fundamental theorem of algebra.	22	
October	II	Maximum modulus principle. Schwarz lemma.Inverse function theorem. Residues. Cauchy's residue theorem.	19	
November	II & III	Evaluation of integrals. Branches of many valued functions with special reference to ***arg z, logz*** and z^a. Definitions and examples of Conformal mappings.	17	
December	IV	Spaces of analytic functions. Hurwitz's theorem. Montel's theorem. Riemann mapping theorem. Weierstrass Factorization theorem.	12	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics
Teaching Plan
Academic Year – 2023-24

NAME OF THE TEACHER :- DR. PADMAVATI **CLASS : M.SC. III SEM**

PAPER- III **TITLE – PROGRAMMING IN C (WITH ANSI FEATURES) -I**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	An overview of programming. Programming language. Classification. C Essentials-Program Development. Functions. Anatomy of a C Function	14	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
September	I	Variables and Constants. Expressions. Statements. Formatting Source Files. Continuation Character. The Preprocessor.	23	
October	II	Scalar Data Types-Declarations. Different Types of Integers. Different kinds of Integer Constants. Floating-Point Types. Initialization. Mixing Types. Explicit Conversions-Casts. Enumeration Types.	22	
	III	The Void Data Type. Typedefs. Finding the Address of an object. Pointers. Control Flow-Conditional Branching. The Switch Statement. Looping. Nested Loops The break and continue Statements. The go to statement. Infinite Loops.		
November	III	Operators and Expressions-Precedence and Associability. Unary Plus and Minus operators. Binary Arithmetic Operators. Arithmetic Assignment Operators. Increment and Decrement Operators. Comma Operator. Relational Operators. Logical Operators. Bit - Manipulation Operators. Bitwise Assignment Operators. Cast Operator. Size of Operators. Conditional Operator. Memory Operators.	20	
December	IV	Arrays -Declaring an Array. Arrays and Memory. Initializing Arrays. Encryption and Decryption	20	

Teacher **HOD** **Principal**

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Department of Mathematics
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Academic Year – 2023-24

NAME OF THE TEACHER :- DR. PADMAVATI **CLASS : M.SC. II SEM**

PAPER- IV **TITLE – ADVANCED COMPLEX ANALYSIS (II)**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
January	I	Introduction of syllabus, Gamma function and its properties. Riemann Zeta function. Riemann's functional equation	12	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
February	I & II	Runge's theorem. Mittag-Leffler's theorem.Analytic Continuation. Uniqueness of direct analytic continuation. Uniqueness of analytic continuation along a curve. Power series method of analytic continuation. Schwarz Reflection principle. Monodromy theorem and its consequences.	22	
March	II & III	Harmonic functions on a disk. Harnack's inequality and theorem.Dirichlet Problem. Green's function. Canonical products. Jensen's formula. Poisson-Jensen formula. Hadamard's three circles theorem. Order of an entire function.	21	
April	III & IV	Exponent of Convergence. Borel's theorem,. Hadamard's factorization theorem. Bloch's theorem. The Little Picard theorem. Schottky's theorem. Montel Caratheodory and the Great picard theorem. Univalent functions. Bieberbach' sconjecture (Statement only) and the "**1/4**-theorem".	21	

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Department of Mathematics
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NAME OF THE TEACHER :- Dr. PADMAVATI **CLASS : M.Sc. IV SEM**

PAPER- III **TITLE – PROGRAMMING IN C (WITH ANSI FEATURES) -II**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
January	I	Storage Classes-Fixed vs. Automatic Duration. Scope. Global variables. The register Specifier. ANSI rules for the syntax and Semantics of the storage-class keywords. Dynamic Memory Allocation	16	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
February	II	Pointers- Pointer Arithmetic. Passing Pointers as Function Arguments. Accessing Array Elements through Pointers. Passing Arrays as Function Arguments. Sorting Algorithms. Strings. Multidimensional Arrays. Arrays of Pointers. Pointers to Pointers	20	
March	III	Functions-Passing Arguments. Declarations and Calls. Pointers to Functions. Recursion. The main ( ) Function. Complex Declarations. The C Preprocessor-Macro Substitution. Conditional Compilation. Include Facility. Line Control.	24	
April	IV	Structures and Unions-Structures. Linked Lists. Unions, enum Declarations. Input and Output Streams, Buffering. The <Stdio.h> Header File. Error Handling. Opening and Closing a File. Reading and Writing Data. Selecting an I/O Method. Unbuffered I/O Random Access. The standard library for Input/Output.	20	

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Department of Mathematics
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TEACHER :- DR. PADMAVATI **CLASS : B.SC. III**

PAPER- III **TITLE – DISCRETE MATHEMATICS**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Sets and proposition - cardinality. Mathematical induction. Principle of inclusion and exclusion.	7	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
September	I	Computability and formal languages - Orderedsets. Languages, Phrase structure grammars. Types of grammars and languages. Permutations, Combinations and Discrete probability	13	
October	II	Graphs and planar Graphs - Basic terminology, Multi graphs, Weighed graphs, Paths and circuits, Shortest paths,	12	
November	II	Eularian paths and circuits. Travelling salesman problem, Planar graphs. Trees.	11	
December	III	Finite state machines Equivalent machines. Finite state machines as language recognizers. Analysis of algorithms - Time complexity. Complexity of problems. Discrete numeric functions and Generating functions.	12	
January	IV	Recurrence relations and Recursive algorithms – Linear recurrence relations with constant coefficients. Homogeneous solutions. Particular solution. Total solution. Solution by the method of generating functions	11	
February	V	Boolean algebras - Lattice and algebraic structures. Duality. Distributive and complemented Lattices. Boolean lattices and Boolean algebras. Boolean functions and expressions	12	
March	V	Proposition calculus. Design and implementation of Digital Networks. Switching circuits.	11	

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME- DR. RAKESH TIWARI **CLASS – B.SC. III YEAR**

PAPER- I **TITLE - ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Construction of real numbers as the completion of the incomplete metric space of rationals. Realnumbers as a complete ordered field. Definition and examples of metric spaces.	17	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
September	I	Neighborhoods. Limit points. Interior points. Open and closed sets. Closure and interior. Boundary points. Sub- Space of a metric space. Cauchy sequences. Completeness. Cantor's intersection theorem. Contraction principle.	13	
October	II	Dense subsets. Baire Category theorem. Separable space, second countable and first countable spaces. Continuous functions. Extension theorem. Uniform continuity. Isometric and homeomorphism.Equivalent metrices. Compactness.	12	
November	II	Sequential compactness. Totally bounded spaces. Finite intersection property. Continuous functions and compact sets. Connectedness. Components. Continuous functions and connected sets	11	
December	III	Complex numbers as ordered pair. Geometric representation of Complex numbers.Stereographic projection. Continuity and differentiability of complex functions. Analytic functions. Cauchy- Riemann equations. Harmonic functions. Elementary functions. Mapping by elementary functions. Mobius transformations. Fixed point. Cross ratio. Inverse points and critical mappings. Conformalmappings.	12	
January	IV	Riemann integral. Integrability of continuous and monotonic functions. The fundamental Theoremof integral calculus. Mean value theorems of integral calculus. Improper integrals and their convergence, comparison tests, Abel's and Dirichlet's tests. Frullani's integral. Integral as a function of a parameter. Continuity, derivability and integrability of an integral of a function of aparameter.	11	
February	V	Series of arbitrary terms. Convergence, divergence and oscillation. Abel's and Dirichlet's test.Multiplication of series. Double series. Partial derivation and differentiability of real valued functions of two variables.	12	
March	V	Schwarz and Youngs theorem. Implicit function theorem. Fourier series. Fourier expansion of piece wise monotonic function.	11	

Teacher **HOD** **Principal**

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Department of Mathematics

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Academic Year – 2023-24

NAME- DR. RAKESH TIWARI **CLASS – M.Sc. I SEM**

PAPER- III **TITLE – TOPOLOGY**

Month	Covered Topic	Classes	Method/Mode of Delivery
July	Countable and uncountable sets. Infinite sets and the axiom of Choice. Cardinal numbers and its arithmetic. Schroeder-Bernstein theorem. Cantor's theorem and the continuum hypothesis. Zorn's lemma. Well-ordering theorem. Definition and examples of topological spaces.	12	1. Chalk and talk method 2. Flip the class 3. Group discussion Problem Solving
Aug	Closed sets, Closure, Dense subsets, Neighborhoods, Interior, Exterior and boundary. Accumulation points and derived sets. Bases and sub-bases. Subspaces and relative topology. Alternate methods of defining a topology in terms of terms of Kuratowski Closure Operator and Neighbourhood Systems.	15	
Sep	Continuous functions and homeomorphism. First and Second Countable Spaces. Lindelof's theorems. Separable spaces. Second countability and separability.	16	
Oct	Separation axioms - their Characterizations and basic properties. Urysohn's lemma. Tietze extension theorem. Compactness. Continuous functions and compact sets. Basic properties of Compactness. Compactness and finite intersection property.	10	
Nov	Sequentially and Countably compact sets. Local compactness and one point compactification. Stone-**V**ech compactification. Compactness in Metric spaces. Equivalence of compactness. Countable compactness and sequential compactness in metric space.Connected spaces. Connectedness on the real line. Components. Locally connected spaces.	14	

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Academic Year – 2023-24

NAME- DR. RAKESH TIWARI **CLASS – M.SC. III SEM**

PAPER- IV **TITLE – OPERATION RESEARCH(I)**

Month	Covered Topic	Classes	Method/Mode of Delivery
July	Operations Research and its Scope. Necessity of Operations Research in Industry. Linear Programming-graphical method of solutions, Simplex Method. Theory of the Simplex Method.	15	• Flip Chalk and talk method • the class • Group discussion • Problem Solving
Aug	Two phase method. Big M method of solution to an LPP. Duality in linear programming. Duality theorems, Dual Simplex method. Other Algorithms for Linear Programming-Dual Simplex Method.	17	
Sep	Parametric Linear Programming. Upper Bound Technique.Transportation roblems. Formulation of transportation problems. Solutions of Transportation problems, North-West corner method.	16	
Oct	Least cost method. Assignment Problems. It's mathematical formulation, Solution of assignment problems. Optimality test. Network Analysis-Shortest Path Problem. Minimum Spanning Tree Problem.	14	
Nov	Maximum Flow Problem. Minimum Cost Flow Problem. Network Simplex Method. Project Planning and Control with PERT-CPM.	12	

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NAME- DR. RAKESH TIWARI **CLASS – M.SC. II SEM**

PAPER- III **TITLE – GENERAL AND ALGEBRAIC TOPOLOGY**

Month	Covered Topic	Classes	Method/Mode of Delivery
January	Tychonoff product topology in terms of standard sub-base and its characterizations. Projection maps. Product spaces. Connectedness and product spaces. Compactness and product spaces (Tychonoff's theorem). Countability and Product spaces.	20	4. Chalk and talk method 5. Flip the class 6. Group discussion Problem Solving
February	Embedding and metrization. Embedding lemma and Tychonoff embedding. The Urysohn metrization theorem. LocaL finiteness. The Nagata-Smirnov metrization theorem. Paracompactness. The Smirnov metrization theorem.	17	
March	The fundamental group and covering spaces : Homotopy of paths. The fundamental group. Covering spaces. The fundamental group of the circle and the fundamental theorem of algebra.	20	
April	Nets and filter. Topology and convergence of nets. Hausdorffness and nets. Compactness and nets. Filters and their convergence. Canonical way of converting nets to filters and vice-versa. Ultra-filters and Compactness.	15	

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NAME- DR. RAKESH TIWARI **CLASS – M.SC. IV SEM**

PAPER- IV **TITLE – OPERATION RESEARCH(II)**

Month	Covered Topic	Classes	Method/Mode of Delivery
January	Dynamic Programming-Deterministic and Probabilistic Dynamic programming. Integer Programming- Branch and Bound Technique.	19	Chalk and talk method Flip the class Group discussion Problem Solving
February	Game Theory-Two-Person, Zero-Sum Games. Games with Mixed Strategies. Graphical, Solution. Solution by Linear Programming.	20	
March	Nonlinear Programming-One and Multi-Variable Unconstrained Optimization. Kuhn-Tucker \Conditions for Constrained Optimization. Quadratic Programming.	20	
April	Queueing system: Deterministic Queueing system, probability distribution in Queueing, classification of Queueing models, Poission Queueing system ((M/M/I): (∞/FIFO), (M/M/I): (SIRO) (M/M/I): (N/FIFO)), Inventory control : The concept of EOQ, Deterministic inventory problem with no shortages.	15	

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Academic Year – 2023-24

NAME OF THE TEACHER :- DR. SHOBHA RANI **CLASS :B.SC. I SEM**

PAPER- I **TITLE- CALCULUS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Differentiability and its geometrical interpretation; Rolle's theorem, Lagranges mean value theorem, cauchy's mean value theorem and their geometrical interpretation, Darbox's theorem. Successive differentiation and Lebnitz theorem , Maclaurin's and taylor's theorem for expansion of function	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	II/III	Taylors theorem in finite form with lagrange, Cauchy and Roche- Schlomilch forms of remainder. Curvature; Aymptotes of general algebraic curves , parallel Asymptotes ,asymptotes parallel to axes. Point of inflection, tangent at origin, multiple points	20	
November	III/IV	Position and nature of double points, tracing of cartesian, polar and parametric curves. Limit, continuity and first order partial derivatives , higher order partial derivatives ,change of variable ,Euler's theorem for homogeneous functions .Taylors theorem ,total differentiation and jacobian	22	
December	V	Double integration and rectangular and non rectangular regions ,Double integrals in polar coordiantes, Tripal integral over a parallelepiped and solid regions, volume by tripal integrals .		

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Academic Year – 2023-24

NAME :- DR. SHOBHA RANI **CLASS :B.SC. II SEM**

PAPER- DSC **TITLE- DIFFERENTIAL EQUATION**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Basic Concept and genesis of ordinary differential equations, order and degree of a differential equation, differential equation of first order and first degree.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	I/II	Equations in which variables are separable, homogeneous equations, linear differential equations and equations reducible to linear form. Statement of existence and uniqueness theorem for linear differential equations, general theory of linear differential equations of second order with variable coefficients ,solution of homogeneous linear ordinary differential equations of second order with constant coefficients.	20	
MARCH	III/IV	linearly dependent and linearly independent solutions on an Interval, Wronskian and its properties,concept of a general solution of a linear differential equation. Power series method, Bessel's equation, Bessel's function and their properties, Recurrence relations.	22	
APRIL	V	Simple harmonic motion, Velocities and acceleration along radial and transverse direction		

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NAME :- DR. SHOBHA RANI **CLASS :B.SC. III SEM**

PAPER- DSC **TITLE- ABSTRACT ALGEBRA**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August September	I/II	Definition and examples of groups, Elementary Properties of groups, Symmetric group, Abelian Group, The Dihedral groups. Modulo, its properties and examples. Subgroups and examples of subgroups, Centralizer, Normalizer, Center of a group, Product of two subgroups.	22	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
October	III	Cyclic groups, Properties of Cyclic groups, Normal subgroups, Cosets, Properties of Cosets, Factor groups, Lagrange's theorem.	20	
November	IV	Permutation groups, Cycle notation for permutations, Properties of Permutations, Even and odd Permutations, alternating groups. Group homomophisms, Properties of homomorphisms	25	
December	V	Kernel of homomorphism, Group isomorphisms, Cayley's theorem, Properties of isomorphisms, First, Second and Third isomorphism theorem for groups.		

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NAME :- DR. SHOBHA RANI **CLASS :B.SC. IV SEM**

PAPER- DSC **TITLE- REAL ANALYSIS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Algebraic and order properties of Absolute value of a real number; Bounded above and bounded below sets, Supremum and infimum of a nonempty subset of Real number.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	II/III	The completeness property of R, Archimedean property, Density of rational numbers in Definition and types of intervals, Nested intervals property; Neighborhood of a point in , Open and closed sets in real number. Convergent sequence, Limit of a sequence, Bounded sequence,	20	
MARCH	III/IV	Limit theorems, Monotone sequences, Monotone convergence theorem, Subsequences, Bolzano-Weierstrass theorem for sequences, Limit superior and limit inferior for bounded sequence, Cauchy sequence, Cauchy's convergence criterion. Convergence and divergence of infinite series of real numbers, Necessary condition for convergence, Cauchy criterion for convergence; Tests for convergence of positive term series: Integral test,	29	
APRIL	V	Basic comparison test, Limit comparison test, D'Alembert's ratio test, Cauchy's *n*th root test. Alternating series, Leibniz test, Absolute and conditional convergence, Abel's test, Dirichlet test, Test for absolute Convergence.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME OF THE TEACHER :- Dr. SHOBHA RANI **CLASS : B.SC. IV**

PAPER- DSE **TITLE – MECHANICS**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
JANUARY	I	Stability, Stable and Unstable equilibrium, Test for Determining the Nature of Stability.	19	1.Flip the class 2.Group discussion 3.Problem Solving 4.Virtual Classes
FEBRUARY	II/III	Virtual Displacement and Virtual Work, Principle of Virtual Work for a System of Coplanar Forces Acting on a Particle and Different Points of a Rigid Body, Method of Solving the Problems, Problems on Simple Frame Work. Definitions, Intrinsic Equation of the Common Catenary..	20	
MARCH	III/IV	Cartesian Equation of the Common Catenary, Geometrical Properties of the Catenary. Equation of Projectile, Vertex, Axis, Latus-Rectum, Focus and Directrix of the Trajectory, Velocity and Direction of the Projectile at a given time & at the given Height, Greatest Height of Projectile, Time of Flight, Horizontal Range, Maximum Horizontal Range.	29	
APRIL	V	Sag of Telegraph Wires (Tightly Stretched Wire), Approximation to the Common Catenary, Projection on an Inclined Plane, The Range and Time of Flight Down an Inclined Plane.		

Teacher **HOD** **Principal**

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME OF THE TEACHER :- Dr. SHOBHA RANI **CLASS : B.SC. III**

PAPER- III **TITLE – DISCRETE MATHEMATICS**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Sets and proposition - cardinality. Mathematical induction. Principle of inclusion and exclusion.	17	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
September	I	Computability and formal languages - Ordered sets. Languages, Phrase structure grammars. Types of grammars and languages. Permutations, Combinations and Discrete probability	13	
October	II	Graphs and planar Graphs - Basic terminology, Multi graphs, Weighed graphs, Paths and circuits, Shortest paths,	12	
November	II	Eularian paths and circuits. Travelling salesman problem, Planar graphs. Trees.	11	
December	III	Finite state machines Equivalent machines. Finite state machines as language recognizers. Analysis of algorithms - Time complexity. Complexity of problems. Discrete numeric functions and Generating functions.	12	
January	IV	Recurrence relations and Recursive algorithms – Linear recurrence relations with constant coefficients. Homogeneous solutions. Particular solution. Total solution. Solution by the method of generating functions	11	
February	V	Boolean algebras - Lattice and algebraic structures. Duality. Distributive and complemented Lattices. Boolean lattices and Boolean algebras. Boolean functions and expressions	12	
March	V	Proposition calculus. Design and implementation of Digital Networks. Switching circuits.	11	

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GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME OF THE TEACHER :- DR. SHOBHA RANI **CLASS : M.SC. III SEM**

PAPER- I **TITLE – INTEGRATION THEORY AND FUNCTIONAL ANALYSIS(I)**

Month	Unit/ Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
August	I	Signed measure. Hahn decomposition theorem. mutually singular measures. Radon-Nikodym theorem. Lebesgue decomposition. Riesz representation theorem. Extension theorem (Caratheodory). Product measures. Fubini's theorem.	10	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
September	II	Normed linear spaces. Banach spaces and examples. Quotient space of normed linear spaces and its completeness. equivalent norms. Riesz Lemma.	24	
October	III	Basic properties of finite dimensional normed linear spaces and compactness. Weak convergence and bounded linear transformations, normed linear spaces	24	
November	III IV	Bounded linear transformations, dual spaces with examples. Contraction mapping theorem and its application. Banach fixed point theorem. Picard's theorem.		
December	IV	Banach fixed point theorem as a source of existence and uniqueness theorem for integral equations. Nonlinear operator, examples convex function, epigraph, monotone mapping, α-monotone, coercive mapping duality maps.	20	

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GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

NAME OF THE TEACHER :- DR. SHOBHA RANI **CLASS : M.SC. IV SEM.**

PAPER- I **TITLE – FUNCTIONAL ANALYSIS -II**

Month	Unit/Title	Topic of lectures	No. of lecture	Method/Mode of Delivery
January	Unit-I	Uniform boundedness theorem and some of its consequences. Open mapping and closed graph theorem. Hahn-Banach theorem for real linear spaces, complex linear spaces and linear spaces	12	1. Flip the class 2. Group discussion 3. Problem Solving 4. Virtual Classes
February	Unit- II	Normed linear spaces. Reflexive spaces. Weak Sequential Compactness. Compact Operators. Solvability of Linear equations in Banach spaces (Fredholm alternatives). The closed Range Theorem. Inner product spaces.	22	
March	Unit II & III	Hilbert spaces. Orthonormal Sets. Bessel's inequality. Complete orthonormal sets and Parseval's identity.Structure of Hilbert spaces. Projection theorem. Riesz representation theorem. Adjoint of an operator on a Hilbert space. Reflexivity of Hilbert spaces.	26	
April	UnitIV	Non-deterministic Finite Automata and equivalence of its power to that of Deterministic Finite Automata. Moore and mealy Machines. Turing Machine and Partial Recursive Functions.	24	

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GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE DURG

Department of Mathematics

Teaching Plan

Academic Year – 2023-24

Teaching Plan

Academic Year: 2023-24

Name of Department: Microbiology

Name of Teacher: Dr. Pragya Kulkarni Class: B.Sc. Part II Course Type: Theory

Course Code/ Title: BMB04 Bioinstrumentation and Biostatistics

Month/Week	Unit/ Title	Topic of Lecture	No. of lectures	Methods/Mode of Delivery
July-August-	III	• Electromagnetic Spectrum and Beer-Lamberts law • Colorimeter and Visible Spectrophotometer: Principle, working and Applications • UV Spectrophotometer: Principle, working and Applications • IR Spectrophotometer: Principle, working and Applications • Turbidimetry: Principle, working and Applications	10	Class room teaching, PDF notes, Theory Assignment
September - October	I	Simple and Compound light microscope, Principle, working and applications • Bright Field microscope • Dark Field microscope • Phase Contrast microscope • Electron microscope • Centrifugation: principle, types • Centrifuge: working, types	12	Class room teaching, PDF notes, Theory Assignment
October-November	II	• pH metry: Principle, Types of electrodes • pH meter: Working, factors and applications • Chromatography: Principle, types • Paper Chromatography: Principle, types, Applications • Thin Layer Chromatography: Principle, Applications • Column Chromatography: Principle, types, Applications • HPLC: Principle, Applications	12	Class room teaching, PDF notes, Theory Assignment
November-December	IV	• Electrophoresis: Principle, Instrumentation • Electrophoresis: Types • Paper Electrophoresis: Principle, applications • Gel Electrophoresis: Principle, Types, Applications • Immunoelectrophoresis: Principle, Types, Applications • X-Ray Diffraction: Principle, Applications	10	Class room teaching, PDF notes, Theory Assignment
January-February	V	• Data: Types and Characteristics • Presentation of Data: Table, Graph, Histogram • Central tendency: Mean, Median, Mode • Deviation: SD and SE • Probability: Concept, Examples • Exercise on Central Tendencies • Revision Classes	11	Class room teaching, PDF notes, Theory Assignment

Signature of Teacher Signature of Head Signature of Principal

Head Department
Deptt. of Microbiology
Govt.V.Y.T.P.G.Auto.College Durg (C.G.)

Teaching Plans

Academic year: 2023-24

Name of Department: Microbiology

Class- B.Sc. III year

Name of teacher: Mrs Rekha Gupta

Course type: Theory

Course Code\Title: BMB 02

Environmental,Industrial and Agricultural Microbiology

Month/ Week	Unit/ Title	Topic Of Lecture	No. Of Lectures	Method / Mode Of Delivery
August	I	• Aerobiology; droplet nuclei, aerosol • Assessment of air quality, • Factors affecting microbial growth • Sampling and collection of microbes from air	15	Classroom teaching,PDF Notes.
September	II	• Water zonation • Water quality determination • Indicator of fecal pollution • Water purification methods	12	Classroom teaching,PDF Notes.
October-november	III	• Soil microbes • Biological components of soil, Rhizosphere. • Microbial interactions • Microbiological examination of soil • VAM- ecto-endo- ectendomycorrhizae	13	Classroom teaching,PDF Notes.Assignment
December	IV	• Important microbes in various industries • Fermentation types • Fermented dairy products • Mushroom cultivation • Fermented beverages	13	Classroom teaching, PDF Notes.Assignment
January-febuary	V	• Agricultural microbiology history • Biogeochemical cycles, • Biofertilizers • Phyllosphere • Nitrogen fixation	11	Classroom teaching,PDF Notes

Signature of teacher

Signature of head

Signature of principal

Head Department
Deptt. of Microbiology
Govt.V.Y.T.P.G.Auto.College Durg (C.G.)

Teaching Plan

Academic Year : 2023-24

Name of Department : Microbiology

Class- M.Sc. II semester

Name of Teacher : Mrs. Neetu Das

Course type: Theory

Course Code Title: MMB 202

Microbial Genetics

Month / week	Unit/ Title	Topic Of Lecture	No. Of Lectures	Methods/ Mode Of Delivery
April	Unit I	DNA damages: Biological indications of damage to DNA• Types of DNA damage (deamination, oxidative damage, alkylation, pyrimidine dimers)• Evidences to repair system• Repair pathways (methyl directed mismatch repair, very short patch repairs, nucleotide excision• repairs, base excision repairs, recombination repairs, and SOS system)	12	Classroom, lecture, PDF Notes
May	Unit II	Gene as a unit of Mutation, Types of mutagens and their origin• Genetic analysis of mutants and Isolation of mutants• Gene as a unit of recombination• Molecular nature of recombination	09	Classroom lecture, PDF Notes
June	Unit III	Gene transfer mechanism: Transformation, Transduction, Conjugation, Transfection• Lysogeny and their applications• Genetic analysis of Bacteria and Yeast• Plasmids, types and their uses in genetic analysis, as vector for gene cloning, Replication of selected• plasmids, compatibility Transposons and their uses in genetic analysis• Construction of bacterial strains	13	Classroom lecture, PDF Notes
July	Unit IV	Genetics of phage: genetic recombination in phages• Effect of parental ratio, reciprocity• Genetic mapping of phage T4 and other phages• RAPD , RFLP• Features of T4 life cycle and T4 gene organization• λ phage DNA and its genetic organization, life cycle of λ	11	Classroom lecture, PDF Notes

Signature of teacher **Signature of head** **Signature of principal**

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24

B.A. 1st Political Science Semester 1 . Introduction to Political Theory.

TEACHER : Dr. Rajeshwari Joshi

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	Unit -I Meaning and Definition of Political Science (With modem concept) Politics as a specific human behavior, Power, Authority and influence : meaning features and kinds method of study to. Political Science : Traditional, Behaviouralism and post Behaviouralism	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	Unit -II. State and its essential elements. Various theories of the origin of the State, Marxist theory. Organismic Theory.social contract theory, evolutionary or historical theory state – dominant perspectives – organic theory, liberalism and socialism.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	Unit –III Sovereignty and its pluralistic criticism Rights : meaning kinds and theories Duties Liberty : meaning kind, safeguards Equality : meaning kinds and relations withLiberty. Democracy : meaning comprehensive meaning challenges conditions for its Success merits and demerits Direct Democracy.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	Unit -IV Kinds of Government : Unitary and Federal, Parliamentary and Presidential,Dictatorship Organs of Government : Executive, Legislature and Judiciary Theory of Separation of Powers and checks and Balances Constitutions : meaning and kinds Theories of representation and Electoral Process.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Democracy – meaning, definition, character sticks. Basic need of the situation dema challenges to democracy. Unit -V. Public Welfare State. Party System : meaning, kinds, process pressure Groups ,meaning kinds and technique. Social Change : Meaning Characteristics Theories. Feminist, Nationalism.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	Revision	12	1.Chalk and talk method

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH
Department of Political Science

TEACHING PLAN 2023-24

B.A. 1st Political Science Semester 1 . Introduction to Political Theory.

TEACHER : Dr. Rashmi Gaur

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	Unit -I Meaning and Definition of Political Science (With modem concept) Politics as a specific human behavior, Power, Authority and influence : meaning features and kinds method of study to. Political Science : Traditional, Behaviouralism and post Behaviouralism	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	Unit -II. State and its essential elements. Various theories of the origin of the State, Marxist theory. Organismic Theory.social contract theory, evolutionary or historical theory state – dominant perspectives – organic theory, liberalism and socialism.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
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4	OCTOBER	Unit -IV Kinds of Government : Unitary and Federal, Parliamentary and Presidential,Dictatorship Organs of Government : Executive, Legislature and Judiciary Theory of Separation of Powers and checks and Balances Constitutions : meaning and kinds Theories of representation and Electoral Process.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Democracy – meaning, definition, character sticks. Basic need of the situation dema challenges to democracy. Unit -V. Public Welfare State. Party System : meaning, kinds, process pressure Groups ,meaning kinds and technique. Social Change : Meaning Characteristics Theories. Feminist, Nationalism.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	Revision	12	1.Chalk and talk method

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Govt. V.Y.T. P.G. Autonomus College, Durg (C.G.)

DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24

B.A. 1st Political Science Semester 1 . Introduction to Political Theory.

TEACHER : Rakhi Bharti

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	Unit -I Meaning and Definition of Political Science (With modem concept) Politics as a specific human behavior, Power, Authority and influence : meaning features and kinds method of study to. Political Science : Traditional, Behaviouralism and post Behaviouralism	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	Unit -II. State and its essential elements. Various theories of the origin of the State, Marxist theory. Organismic Theory.social contract theory, evolutionary or historical theory state – dominant perspectives – organic theory, liberalism and socialism.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	Unit –III Sovereignty and its pluralistic criticism Rights : meaning kinds and theories Duties Liberty : meaning kind, safeguards Equality : meaning kinds and relations withLiberty. Democracy : meaning comprehensive meaning challenges conditions for its Success merits and demerits Direct Democracy.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	Unit -IV Kinds of Government : Unitary and Federal, Parliamentary and Presidential,Dictatorship Organs of Government : Executive, Legislature and Judiciary Theory of Separation of Powers and checks and Balances Constitutions : meaning and kinds Theories of representation and Electoral Process.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Democracy – meaning, definition, character sticks. Basic need of the situation dema challenges to democracy. Unit -V. Public Welfare State. Party System : meaning, kinds, process pressure Groups ,meaning kinds and technique. Social Change : Meaning Characteristics Theories. Feminist, Nationalism.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	Revision	12	1.Chalk and talk method

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Department of Political Science

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24

B.A. 1st Political Science Semester 1 . Introduction to Political Theory.

TEACHER : Shahbaz Ali

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	Unit -I Meaning and Definition of Political Science (With modem concept) Politics as a specific human behavior, Power, Authority and influence : meaning features and kinds method of study to. Political Science : Traditional, Behaviouralism and post Behaviouralism	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	Unit -II. State and its essential elements. Various theories of the origin of the State, Marxist theory. Organismic Theory.social contract theory, evolutionary or historical theory state – dominant perspectives – organic theory, liberalism and socialism.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	Unit –III Sovereignty and its pluralistic criticism Rights : meaning kinds and theories Duties Liberty : meaning kind, safeguards Equality : meaning kinds and relations withLiberty. Democracy : meaning comprehensive meaning challenges conditions for its Success merits and demerits Direct Democracy.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	Unit -IV Kinds of Government : Unitary and Federal, Parliamentary and Presidential,Dictatorship Organs of Government : Executive, Legislature and Judiciary Theory of Separation of Powers and checks and Balances Constitutions : meaning and kinds Theories of representation and Electoral Process.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Democracy – meaning, definition, character sticks. Basic need of the situation dema challenges to democracy. Unit -V. Public Welfare State. Party System : meaning, kinds, process pressure Groups ,meaning kinds and technique. Social Change : Meaning Characteristics Theories. Feminist, Nationalism.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	Revision	12	Lecture

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Department of Political Science

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24
B.A. Political Science Semester 3 . POLITICAL THOUGHT.
TEACHER : Dr. Rajeshwari Joshi

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	UNIT I - Plato– Ideal State, justice, education, communism and philosopher kingAristotle – state, Slavery,citizenship, revolutions. .	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	UNIT II Machiavelli – child of his time, views on state and government, religion and morality, first modern political thinker, his contribution.Hobbes and Locke – theory of social contract, jean Jacques Rousseau – theory of social contract and general will.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	Unit –III Bentham – Utilitarianism. Mill-amendment in utilitarianism, liberty and representative government.Green-Political thoughts. Marx- Political thought .	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	Unit - IV **Idealism, Individualism, Liberalism, Socialism, Fascism: features**	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Unit -V- **Manu and Kautilya- Saptanga Theory, king and kingship, Administrative system, rajyamandal.**	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**REVISION**	12	Lecture

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24
B.A. Political Science Semester 3 . POLITICAL THOUGHT.
TEACHER : Shahbaz Ali

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**UNIT I** - Plato– Ideal State, justice, education, communism and philosopher kingAristotle – state, Slavery,citizenship, revolutions. .	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	**UNIT II** Machiavelli – child of his time, views on state and government, religion and morality, first modern political thinker, his contribution.Hobbes and Locke – theory of social contract, jean Jacques Rousseau – theory of social contract and general will.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	**Unit –III** Bentham – Utilitarianism. Mill-amendment in utilitarianism, liberty and representative government.Green-Political thoughts. Marx- Political thought .	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	**Unit - IV Idealism, Individualism, Liberalism, Socialism, Fascism: features**	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	**Unit -V- Manu and Kautilya- Saptanga Theory, king and kingship, Administrative system, rajyamandal.**	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**REVISION**	12	Lecture

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Department of Political Science

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24

B.A. 3rd Political Science 1st Paper. International Politics.

TEACHER : Dr. Rashmi Gour

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** International politics – Meaning, Nature and scope Approaches to the study of International politics.	13	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	**Unit II** Diverse theories of International politics system theory, Game theory, Decision – making theory, communication theory.	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	Morgenthau's theory of political Realism. Definition and elements of national powel. Struggle for power, Retaining power, increasing power and Demonstrating power.	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	**Unit III** The concept of Balance of power of power, and estimate the concept of collective security.	10	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Diplomacy – Definition, Kinds and function.	10	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**Unit -IV** Disarmament – meaning, definitions and development. The hindrances in the path of disarmament	13	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
7	JANUARY	**Unit -V** New pattern of International politics Environmentalism, Globalization Human Rights	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
8	FEBRUARY	**Revision**	12	Lecture

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Department of Political Science

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DEPARTMENT OF POLITICAL SCIENCE
GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24

B.A. 3rd Political Science 2nd Paper. Public Administration.

TEACHER : Shabaz Ali

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** Public Administration – meaning and scope, nature evolution of the study of	13	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	public administration as a discipline, differences and similarities between public administration and private administration.	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	**Unit -II** Methods and approaches of public administration tradition, behavior and system approach. new public administration, development features and goals.	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	**Unit –III** Politics and administration, administrative behaviours.	10	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	Leadership, Decision making. communication. Accountability.	10	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**Unit IV** Concept of Bureaucracy- Meaning, features, kinds and function. Budgetary process, preparation of budget, parliamentary approval, execution of the budget in India, accounting of funds, audit.	13	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
7	JANUARY	Public administration in the age of globalization. **Unit -V** Control over administrative – the means of legislative control in parliamentary systems and limitation, method of judicial review, the ways and means of judicial control.	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
8	FEBRUARY	**Revision**	12	Lecture

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Department of Political Science

Principal
Govt. V.Y.T. P.G. Autonomus College, Durg (C.G.)

DEPARTMENT OF POLITICAL SCIENCE

GOVT.V.Y.T. PG AUTONOMOUS COLLEGE .DURG CHHATTISGARH

TEACHING PLAN 2023-24 M.A. Political Science 1st SEMESTER

1st Paper. INDIAN POLITICAL THOUGHT

TEACHER : Dr. Shakeel Husain /Dr. Rashmi Gour

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** Salient Features of the Ancient Political Thought Ideology of Manu and Kautilya.	26	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
2	AUGUST	Kautilya's & Manu's Contribution of Political Thought. **Unit II** Political and Social Thoughts of Raja Ram Mohan Ray, Political and Social Thoughts of Vivekananda .	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
3	SEPTEMBER	Political Philosophy and Social Thought of Gopal Krishna Gokhale. **Unit III** Causes for the rise of extremism in Indian Political thought, Religion and Politics.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
4	OCTOBER	Gandhi- concept of Truth and Non Violence of Gandhiji. Political and social thought of Dr. B.R. Ambedkar. **Unit IV** M.N. Ray's Indiyas on Humanism, Lohiya's Socialism,	18	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
5	NOVEMBER	Pt. Jawahar Lal Nehru, father of Modern Indian. Iron Man Sardar Vallabh Bhai Patel's Political Views.	25	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
6	DECEMBER	**Revision**	20	1.Chalk and talk method

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DEPARTMENT OF POLITICAL SCIENCE
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TEACHING PLAN 2023-24 M.A. Political Science
1st SEMESTER 2nd Paper. Western Political Thought (Socrates to Spencer)
TEACHER : Dr. Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** Features of Greek Political thought. **Socrates –** Virtue is Knowledge. **Plato –** Justice, Education, Communism, Philosopher King, IdealState, Plato on Democracy. **Aristotle –** State , Property, Citizenship, Slavery, Classifications of Constitution. Revolution. Aristotle – State , Property, Citizenship, Slavery, Classifications of Constitution. Revolution.	26	**1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz**
2	AUGUST	**Unit II Features of Medieval Political thought**. Conflict between state and church, theory of two swords. **Jean Bodin –** Sovereignty, State and family. **Machiavelli -** Teachings to the prince, religion and morality Machiavelli as a child of his times.	24	**1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz**
3	SEPTEMBER	**John Locke –** Social Contract Theory, Natural Right, John Locke As Founder of Liberalism. Jean Jacques Rousseau – Social contract Theory. General Will. **Unit III. UTILITARIANISM –** Bentham's Utilitarianism, J.S. Mill's Amendments in Bentham's Utilitarianism. **INDIVIDUALISM – J.S. Mill –** Liberty, Representative Government.	24	**1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz**
4	OCTOBER	**H.** Spencer – Evolutionism, Organic Theory or State. **IDEALISM –** Hegel – Dialectical Method, State. **Kant –** State **T.H. Green** – Liberty, Right, State.	18	**1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz**
5	NOVEMBER	**Unit IV** **Karl Marx –** Economic Determinism, Dialectical Materialism, Class struggle, surplus value, proletariat revolution, State will wither away and communism.	25	**1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz**
6	DECEMBER	**Marxism After Marx- Lenin –** Party, Revolution, Amendment in Marxism. **Mao-tse-Tung-** Contradictions, Critical Examination of People's War. **Antonio Gramsci** – Hegemony, Role of Intellectual. **Fascism** – Emergence, Features and principles. **Revision**	20	**1.Chalk and talk method**

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TEACHING PLAN 2023-24 M.A. Political Science
1st SEMESTER 3rd Paper. Comparative Politics
TEACHER : Dr. Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** Comparative Method in study of political science Definition, Scope, Nature of Comparative, Politics Development and Problem of comparative Politics.	26	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
2	AUGUST	**Unit II** Sociological Approach of comparative politics general system theory, input, output by Devid Easton and structural - Functional Analysis by Almond and powell, Political system theory.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
3	SEPTEMBER	**Unit III** Political Culture. Political Socialization. Constitutionalism .	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
4	OCTOBER	Political Participation **Unit IV** Political Communication, Political Modernization.	18	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
5	NOVEMBER	Political Elite Pressure groups Meaning. - Functions, Types, Merits and demerits.	25	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
6	DECEMBER	**Revision**	20	Lecture

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TEACHING PLAN 2023-24 M.A. Political Science
1st SEMESTER 4th Paper. PUBLIC ADMINISTRATION
TEACHER : Rakhi Bharti

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** Public Administration - Meaning Definition, Scope, Nature Difference between Public and Private Administration.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	**Unit II** Structure of organization Formal and Informal organization, principles of organization hierarchy or scalar system, unity of command] span of control.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	coordination. Centralization vs decentralization line & staff agencies.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	**Unit III** Chief executive, Budget- Definition, Principles of budget, budgetary process in India.	18	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	**Unit IV** Principles of recruitment and promotion and their problem & training O & M or organization & method.	25	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**Revision**	20	Lecture

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TEACHING PLAN 2023-24
M.A. Political Science 1st SEMESTER
5th Paper. National Movement and Constitutional Development of India.
TEACHER : Tarun Sahu

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** Background of the constituent assembly, its composition and working curtsies. Ideological bases of Indian constitution - preamble.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	**Unit II** Fundamental rights, Meaning, Features & kinds directive principle of state policy, Meaning, Nature classification.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	Differences Fundamental rights & directive principle of state policy. constitution amendment process as an instrument of social change.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	**Unit III** Union government - the president, prime minister and council of ministers. (Election, Role and functions)	18	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	**Unit IV** Parliament, supreme court, Composition power & function, judicial review, judicial activism, party system - meaning, features and functions.	25	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**Revision .**	20	Lecture

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TEACHING PLAN 2023-24 M.A. Political Science 2nd SEMESTER
1st Paper. MODERN POLITICAL THEORY AND THOUGHT.
TEACHER : Dr. Dr.Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I Political Theory** – concept, decline of political theory and its reestablishment. Nation state development and contemporary status. **Liberalism** – Main traits, political and economic, negative and positive liberalism, concept of welfare state and its development.	26	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
2	FEBRUARY	Unit II **CONTEMPORARY LIBERALISM** – Concept assumptions or features, prominent thinkers - **John Rawls** – Concept of justice. **Karl Popper** – Idea of open society, critique of historicism.**C.B. Mc Phersom** – Possessive Individualism . Democracy.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
3	MARCH	**Michal Walzer** – Communitarian criticism of liberalism **Hannah Arendt** – Liberty, totalitarianism. **Michael Oakshott** – Civil Association, Liberty. Defence of classical political theory.**Unit III** Contemporary concept of Liberty – Concept- Isaiah Berlin, Milton Friedman Robert Nozik, F.A. Hayek's view on liberty.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
4	APRIL	**Right 1- Negative Theory –** Concept Hobbes, Lock, J.S. Mill, **Bentham Spencer's view on right. Positive Theory** Concept T.H.Green, Hegel , Laski, Hobbe house View on Right. EXISTENTIALISM – Concept assumptions – Albert Camus, martin heidegger, jean paul Sartre's view. Alienation – concept.CONTEMPORARY MARXISM – Frankfurt school an introduction. Fraunts fanon – Nature of Colonialism. Hebert Marcuse – False Consciousness of Consumerism.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
5	MAY	Jurgen Habermas - Deformation of Democracy, Legitimation Crisis.Rosa Luxemburg – Amendment in Marxism. Revision	12	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz

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TEACHING PLAN 2023-24 M.A. Political Science
2nd SEMESTER 2nd Paper. Western political thought (from Kant to post Marxist) TEACHER : Dr. Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** Features of developing nation's politics. Classification of Governments. Ancient (Plato Aristotle) Medieval – cecero Polybius, modem, Hobbes, Locke rousseau montesquieu, C.F. Strong Contemporary. Unitary Government – Meaning features example.	26	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
2	FEBRUARY	Federal Government – Meaning features example. Parliamentary Government – Meaning features example. Presidential Government – Meaning features example. Bicameralism Important Examples **Unit II Legislature** – Concept Organization Function Right. **Upper house** – India U.S. America Switzerland Britain- Comparative study. **Lower House** - India U.S. America Switzerland Britain- Comparative study.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
3	MARCH	**Executive** - India U.S. America Switzerland Britain- Comparative study. **Judiciary** - India U.S. America Switzerland Britain- Comparative study. **Judicial Review. Unit III Separation of Powers –** Montesquieu's View on Separation of powers and check and balance in America. **Political Development** - Concept, Features, model of Lucian pye, under development.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
4	APRIL	**Party System in developing countries –** Features political parties in Bangladesh, Pakistan and sri lanka.	24	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz
5	MAY	**Unit IV Theories of social change –** Concept, theories- Liberal, Marxist, Plural, Elitist, Cycle Theories of Social change. Revision	12	1.Chalk and talk method 2. Flip the class 3. Group discussion 4. Google classRoom 5. Problem Solving 6. Assignment and Quiz

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TEACHING PLAN 2023-24
M.A. Political Science 2nd SEMESTER
3rd Paper. COMPARATIVE POLITICal Analysis.
TEACHER : Dr. Amit Singh

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** New public administration - meaning, goals evolution, salient features. Concept of development Administration - Meaning, definition, Nature & Scope. Features of Development Administration, Ecology of Public Administration in India.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	FEBRUARY	**Unit II** Public policy Meaning & Kinds, process of policy formulation, process of policy formulation in India. Policy implementation & importance decision making process in administration (Herbert Simon).	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	MARCH	**Unit III** New Public Management - Theory of New public Management, Salient features, Scientific Management of frederick Taylor, concept of E-Governance & Good governance	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	APRIL	.**Unit IV** Social Administration - Meaning, Nature, Scop. Right to information, People participation in Administration, Indian Lokpal & Lokayukta	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	MAY	District Administration of India the Role and position of the district collector. Revision	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz

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TEACHING PLAN 2023-24
M.A. Political Science 2nd SEMESTER
4th Paper. STATE POLITICS IN INDIA WITH REFERENCE TO CHHATTISGARH
Teacher : TARUN SAHU

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** Main Traits of State politics and Emerging Trends. Evolution of state Politics 1950 to 1967, 1967 to 1959, 1959 to so far.Inter State Disputes – River Water Problem and solution Constitution and judicial.	26	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
2	FEBRUARY	**Unit II Social Elements of State Politics –** Cast Politics Interaction, Rajni Kothari's View. Communalism and state politics – Concept Development reasons, analysis. Regionalism – Meaning major regional movements for a new state in the Indian union.	24	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
3	MARCH	**Unit III** Features of Politics of Chhattisgarh. Demand and movement for Chhattisgarh Tribal Administration in India 5th and 6th Schedule of Indian Constitution. Tribal Administration in chhattisgarh, Areas under 5th Schedule.	24	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
4	APRIL	**Unit IV** Chhattisgarh Government – GOVERNOR- Appointment Functions and Rights, CHIEF MINISTER council of ministers organization function and rights. STATE ASSEMBLY – organization functions.	24	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
5	MAY	STATE JUDICIARY – organization and powers. **Revision .**	26	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**

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TEACHING PLAN 2023-24
M.A. Political Science 2nd SEMESTER 5th Paper. Research Methodology.
TEACHER : Dr Rashmi Gaur

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	Unit I Scientific method - meaning, definition, characteristics, steps & use of scientific method. Formulation of research problems. Hypothesis definition, characteristics, sources of working hypothesis. Types importance and limitations of hypothesis.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	FEBRUARY	Unit II Meaning of Research design and types exploratory or formulative, descriptive, diagnostic and experimental design.Meaning of sampling, merits and demerits, types (random, purposive, stratified multi stage, quota and self selected sampling) Problem.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	MARCH	Sources of collection of data-meaning types primary data and secondary sources merit and demerit. Unit III observation questionnaire, schedule interview-meaning, Definition, type, steps, merit and demerits.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	APRIL	Unit IV Report writing, computer, utility of elementary statistics, meaning, importance calculation of mean, characteristics.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	MAY	Revision	12	

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TEACHING PLAN 2022-23
M.A. Political Science SEMESTER THREE
1st Paper. THEORIES OF INTERNATIONAL POLITICS.
TEACHER : Tarun Sahu

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	**JULY**	**Unit I** Development of international politics, meaning, scope and nature. Theories of international political idealist, realist,	**26**	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
2	**AUGUST**	system, game and decision making theory **Unit II** Concept of power, constituents of national power, changing nature of national powers,	**24**	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
3	SEPTEMBER	concept of national interest. **Unit III** Balance of power, collective security instruments for the promotion of national interest.	**24**	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
4	OCTOBER	international politics propaganda, economical and colonialism instruments. **Unit IV** Peaceful settlement of international dispels.	**18**	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
5	NOVEMBER	Disarmament, word public opinion, non state or transnational actors in international politics.	**25**	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
6	**DECEMBER**	**Revision**	**12**	Lecture

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M.A. Political Science

SEMESTER THREE 2nd Paper. DEMOCRACY IN INDIA WITH SPECIAL REFERENCE TO CHHATTISGARH. TEACHER : Dr. Rajeshwari Joshi

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** **Democratization in modern Indian and mass Moments-**division of Bengal and movement, home rule league, champaran satyagraha and Gandhi era non cooperation movement.	26	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
2	AUGUST	civil disobedience movement quit india movement.	24	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
3	SEPTEMBER	**Unit II** REPRESENTATION IN MODERN INDIA – ACT OF 1909 & COMMUNAL POLITICS, ACT OF 1919, ACT OF 1935, EMERGENCY IN INDIA AND MOVEMENT OF Jai Prakash narayan.	24	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
4	OCTOBER	**Unit III** Mass Movement in Chhattisgarh –Shri veer narayan singh's movement, halba revolution struge 1824, Muriya movement 1876, Bhumkal Movement – 1910	18	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
5	NOVEMBER	**Unit IV** **Concept of Democracy** – Concept, Evolution, Features Theories of Democracy – Elitist Theory,	25	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**
6	DECEMBER	Neoliberalism Theory, Marxist Theory, Concept of welfare state. **Revision**	20	**1.Chalk and talk method** **2. Problem Solving** **3. Assignment and Quiz**

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TEACHING PLAN 2022-23 M.A. Political Science
SEMESTER THREE 3rd Paper FOREIGN POLICY OF MAJOR COUNTRIES.
TEACHER : Dr. Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** **Foreign Policy** – Concept, Elements. **Foreign policy of the United states** of America from 1945 to 1990. features – policy towards west asia, policy towards south asia, policy towards south east asia. policy of the containment of communism.	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	**Unit II** American Foreign Policy in the post cold war era from 1990 to till today West Asia and the struggle against terrorism. Expansion of nato and containment of russia.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	containment of china, Pacific policy, – policy towards south asia, – policy towards south east asia. Policy toward central asia.	24	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	**Unit III Foreign Policy of Russia** – 1990 onwards-Expansion of russian dominante central asia, policy toward south asia, russia and America, Russia and china, Russia, and west asia and terrorism russia and india**. Foreign Policy of France –** Features and French foreign policy in the post cold war era.	18	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	**Unit IV Foreign Policy of Great Britain –** Features. Britain and the world in the post cold war era. **GermanForeign policy** in post cold war era – main Features.Foreign Policy of China – features China's expansion in central asia, south china sea dispute,	25	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	china;s policy against india – string of pearl policy **Revision**	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz

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TEACHING PLAN 2022-23 M.A. Political Science
SEMESTER THREE 4th Paper. INDIAN FOREIGN POLICY.
TEACHER : Dr. Rashmi Gaur

Sr	MONTH	SYLLABUS	No.of Lecturs	Method of Teaching
1	JULY	**Unit I Indian Foreign Policy -** Objectives Determinants continuity and change, Panchsheel Non Alignment and Indian Contribution.Unit II Indian and world – U.S. India Relations Positive and negative issues in Relationship from – 1947-66, 1966-77, 1978-91, 1992-2004, 2004-2014, 2014 to continue. main issues between India U.S. Relations after 2001 .	26	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
2	AUGUST	**Indo-Russian Relation -** Nature – Soviet legacy. main issues in indo-Russian Relation after cold war. Indo – Nepal Relations. – 1950-2000, 2001 to present.India-Bangladesh Relation – 1971-91 Main issue in post cold war Era, Agreements. And co-operation.	24	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
3	SEPTEMBER	**Unit III India-China Relation – historical View 1947-62, 1963-1990 Main Issue in India China-Relation in post cold war Era – Border Dispute Bilateral Trade Anti Indian Policy Indirect Feeding to Terrorism**	24	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
4	OCTOBER	**Unit IV** **India Pakistan Relation –** Issues Relating to the partition. Border dispute – **Jammu and Kashmir In Indo-Pak Relations – J.K. AS Integral Part of India, Historical and cultural Background special status of J.K. Article 370 and35 A of Constitution**. Indo Pak War 1965 And Tashkent Agreement,	18	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
5	NOVEMBER	Indo – Pak war 1971 and Shimla agreement.Afghanistan in Indo Pak Relation and feeding to cross Border Terrorism 1993 to present. arms mania of Pakistan and Indian security – U.S. Arms Transfer to pak from 1947 to 2020.	25	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
6	DECEMBER	Revision	12	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**

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TEACHING PLAN 2022-23 M.A. Political Science
SEMESTER THREE 5th Paper. POLITICAL SOCIOLOGY
TEACHER : Dr. Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JULY	**Unit I** **Political Sociology** – Connect Definition nature scope development as discipline **Ideology** – Concept Definition nature features Robert Dahl's concept of Reigning Ideology	26	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
2	AUGUST	**Unit II Political Culture –** Concept definition types Base Development Features of Indian Political Culture . **Political socialisation –** Concept Definition Nature Instruments, Relation with political culture. Political Modernization – Concept Definition Element Instruments modernization and westernization – Distinctions.	25	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
3	SEPTEMBER	**Political Participation –** Concept definition Instruments Importance **Unit III** WESTERNISATION – Concept , Features, Impact on social change.SECULARISATION – Concept , Features or elements, Factors promoting secularisation, impact on Indian society.	23	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
4	OCTOBER	CULTURALIZATION – Concept , Features, Psychology of propaganda, Techniques, Instruments of Propaganda, Socio-political Impact of Propaganda. **Unit IV** Political Recruitment – Concept Definition Nature Theories Instruments Political Party and political recruitment. Political Conflicts – Concept Base or reasons of conflicts nature structure.	23	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
5	NOVEMBER	**Conflict Resolution** – Process Instruments Democratic and totalitarian. **MultiCulturalism and co-existence** - Concept Types Indian Model of multiculturalism and co-existence an old tradition . **Civil Society – Concept Development and role.**	19	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz
6	DECEMBER	**Revision**	12	1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz

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DEPARTMENT OF POLITICAL SCIENCE

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HEAD , Department of Political Science

TEACHING PLAN 2023-24 M.A. Political Science

SEMESTER FOUR 1st Paper. International Contemporary Political Issues

TEACHER : Dr Shakeel Husain

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** End of Cold War – Reason, Consequences, Emergence of Central Asia- Oil Gas Deposits and American Oil Diplomacy Central Asian and India, Narco terrorism and Indian Security. **Unit II** Arms Trade – Major Producers, Exporters importers, Global Situation, Un Arms Trade Register,	26	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
2	FEBRUARY	Impact of arms Trade on Development and Regional Conflicts. Salw- Small Arms and Light Meapond – Concept, Salw- Small Arms and Light Meapond : Types Development Global Situation Major Actors State, Role of Salw in Regional conflicts and terrorism. **Unit III** Ethnic Conflicts- Concept, Nature, Types,	24	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
3	MARCH	**International Terrorism –** Concept, Nature, Terrosirsm in West Asia – Reason, emergence, Expansion, American role in Emergence and Decline of Taliban, Syrian Civil War-Emergence of ISIS-Russian and Nato's Role, Decline of ISIS. (Islamic state of Iraq and Syria) **Globalisation –** Concept, Features, Problems, Atomic Non Proliferation – NPT. CTBT, American Policy Towards, Iranian and North Korean Nuclear Policy,	24	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
4	APRIL	**Major Regional Coflicts** – Israel Palestin Conflict – Gazastrip, West Bank Main Acords After 1990, Yamen Conflict, Rohingya Crisis, Eastern Eukrain crisis, **Fragile state -.**Concept Nature, Example. **Rouge State-** Concept, Nature, Example. **Politics of**	24	**1.Chalk and talk method 2. Problem Solving 3. Assignment and Quiz**
5	MAY	**Environment** – Concept Earth Summits, Major Agreements, Paris Conference 2016, Indian View on Environmental politics. **Revision**	15	Lecture

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DEPARTMENT OF POLITICAL SCIENCE
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TEACHING PLAN 2022-23

M.A. Political Science SEMESTER FOUR

2nd Paper. INTERNATIONAL ORGANISATION AND INTERNATIONAL LAW.

TEACHER : Tarun Sahu

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** League of Nations – Organisation and Causes of Failure. United Nations Organization - Objectives. Function. UN Peacekeeping Operations. General Assembly. Security Council, Economic and social council] Secretariat, International Court of Justice Evaluation of UNO.	26	Lecture
2	FEBRUARY	**Unit II** **Saarc –** Organisation, Objectives Structure Evolution **Asean –** Organisation, Objectnes Structure Evaluation **Opec -** Organisation, Objectnes Structure Evaluation	24	Lecture
3	MARCH	**World Trade Organisation** Organisation, Objectnes Structure Evaluation **European Union** Organisation, Objectnes Structure Evaluation	24	Lecture
4	APRIL	**Unit III** **Shanghai Cooperation Organisation – Objectives Structure, Role Evaluation.** **BRICS –Objectives Structure, Role Evaluation.** **G – 20 Objectives Structure, Role Evaluation.** **G – 8 Objectives Structure, Role Evaluation.** **North – South Dialogue, South – South Cooperation.**	24	Lecture
5	MAY	**Unit IV** **International Law -** Concept Definition, Scope Source Codification Rights and Duties of State, Intervention, Treaty law, Prevention and Abolition of War.Revision	26	Lecture

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TEACHING PLAN 202w-23
M.A. Political Science SEMESTER FOUR
3rd Paper. FEDERALISM IN INDIA AND LOCAL SELF GOVERNMENT.
TEACHER : Shahbaz Ali

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** Indian federal system – nature and development. Models of federalism in India.	26	Lecture
2	FEBRUARY	Center state relations in India – legislative, executive, economic.	24	Lecture
3	MARCH	**Unit II** **Sarkariya commission report. Party system and Indian federalism ! planned economic development and politics in India.**	24	Lecture
4	APRIL	**Unit III** **Development of local self government. 73rd constitutional amendment 12th financial panel of panchayati raj.**	24	Lecture
5	MAY	**Unit IV** **Local self government rural and urban. Composition functions and source of income. achievements and problems of panchayati raj.**	16	Lecture

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TEACHING PLAN 2022-23

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M.A. Political Science SEMESTER FOUR
4th Paper. HUMAN RIGHTS
TEACHER : Dr. Rajeshwari Joshi

Sr	MONTH	SYLLABUS	No.of Lectures	Method of Teaching
1	JANUARY	**Unit I** Meaning, nature and evolution of human rights, Human rights and human values. Main acts of human Right protection in India. Actual position of human rights.Human Rights & duties.	26	Lecture
2	FEBRUARY	**Unit II** Human Right – different perspectives Liberal, marxist, gandhian and dalit wadi, perspectives. Theories and classification of human rights.	24	Lecture
3	MARCH	**Unit III Universal declaration of human rights 1948, protection of human rights act 1993, human rights role of U.N.O., actual situation of human rights**	24	Lecture
4	APRIL	**Unit IV** Human Rights different perspective – human rights & children, womens, old people, Minorities, tribles, National human rights commission, Human rights in Chhattisgarh.	24	Lecture
5	MAY	Revision	12	Lecture

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23-24 Teaching Plan Academic

Year: 2023-24

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 1ST SEMESTER

Course Type: Theory/ Practical

Paper 1: Introduction to Social Welfare

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
August	**Unit 1: The concept of Social Welfare**	(1) Social Welfare: Concept, need and objectives Philosophy historical perspective (2) Changing concepts and practices of social welfare in relation to social, economic and industrial development (3) Changing political philosophy and its impact on social welfare	12	• Chalk and talk method • Lecture, Discussion • Case Study
September	**Unit:2 Social Welfare and related terms**	(1) Social Development. (2) Social Planning and social administration. (3) Social reform. (4) Social Security. (5) Social Policy. (6) Social Action. (7) Social justice. (8) Social and welfare services. (9) Social legislation. (10) Human Rights.	12	• Chalk and talk method • Lecture • Role Play • Group Activity
October	**Unit3:**	(1) The concept of professional social work-	16	• Chalk and talk method

	Professional Social work an introduction	alignment of scientific and humanitarian motives for promoting social welfare. (2) The basic principles and values of professional social work and their relationship to the values of Indian Society. (3) Evolution of professional social work in UK, USA, in India. (4) Code of ethics for social workers.		• Lecture • PowerPoint Presentation
November	**Unit4: Social work as a profession& Methods of Social Work**	(1) Nature and characteristics of a profession. (3) Interface between Professional and voluntary social work. (4) Primary Methods of Social work Secondary methods of social work. (S) Integrated approach of social work.	16	• Chalk and talk method Lecture • Case Study • Discussion
December	Unit 1,2,3&4	Review, Recap& doubt class	18	• Lecture • Field Visits • Group Discussion

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डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 1ST SEMESTER

Course Type: Theory/ Practical

Paper: 3 Introduction to Contemporary Indian Society

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**UNIT 1: Conceptual & Theoretical Perspectives To Understand Society**	(1) Society: Nature, Approaches, Functions, Theories of Society (Evolutionary, Cyclical, Conflict and Systems theories). (2) Social Group: Concept & Characteristics of Primary Group, Secondary Group, Reference Group. (3) Social Institute ions: Family, Marriage, Kinship, Property (Present trends). (4) Culture: Concept of Culture, Traditions, Customs, Values and Norms. (5) Social Stratification: Caste, Caste & Democracy, Tribes.	12	• Chalk and talk method • Lecture • Discussion • Case Study
September	**Social System , Social Process And Social Change Or Contemporary Society**	(1) Social System& Subsystem: Structure & Function, Classification of System. (2) Social Structures: Status &Role.	12	• Chalk and talk method • Lecture • Role Play • Group Activity

		(3) Social Process: Meaning and kinds of Social interaction, Socialization, Cooperation ,Conflict ,Assimilation (4) Social Change: Concept, Factors, Western theories. (5) Theories of Social Change in India:Westernization, Modernization, Secularization.		
October	**UNIT 3: Polity Economy Of Contemporary Society**	(1) State: Elements, Role and Functions. (2) Democratic government & process. (3) The nature of economic development, Classification of Developing Countries. (4) Meaning of Globalization, Liberalization, and Privatization.	16	• Chalk and talk method • Lecture • PowerPoint Presentation
November	**UNIT4: Problems Of Contemporary Indian Society**	(1) Social Problem: Concept, Factors, Theories. (2) Poverty: Causes, Factors, Extent, Consequences, Theories, Measures, Impact on society. (3) Population Explosion: Causes, Factors, Extent, Consequences, Measures, Impact on society. (4) Unemployment: Causes, Factors, Extent,	16	• Chalk and talk method • Lecture • Case Study • Discussion

		Consequences, Theories, Measures, Impact on society. (5) Environment pollution: Causes, Factors, Extent, Consequences, Theories, Measures, Impact on society. (6) Malnutrition: Causes, Factors, Extent, Consequences, Theories, Measures, Impact on society. (7) Positive and negative impact of social media .		
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 3RD SEMESTER

Course Type: Theory/ Practical

Paper: 2 Community Organization

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**Unit 1: Communities in India**	1. Concept of Community Rural Community: nature, structure , Urban Community Tribal Community: tribal culture and problem Community power structure.	12	• Chalk and talk method • Lecture • Discussion • Case Study
September	**Unit II: Community Organization & Community Development**	1. Concept, aims& Principle of community organization 2. Historical development of 3. Community development methods rural community development. S. Social Audit	12	• Chalk and talk method • Lecture • Role Play • Group Activity
October	**Unit3: Community Organization Process**	1. Steps in community organization process. 2. Role and skills 3. Models .	16	• Chalk and talk method • Lecture • PowerPoint Presentation
November	**Unit-4: Community Organization and Social Action**	1. Concept, types, process and models of social action. 2. Recent trends and social movements. 3. Social Action and social change.	16	• Chalk and talk method • Lecture • Case Study • Discussion

		4. Leadership: types and functions. S. Importance of leadership.		
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 3RD SEMESTER

Course Type: Theory/ Practical

Paper: 4 (Group-B**) interventions in Psychiatric Disorders**

(Group C) Rural Community Development and Panchayati Raj

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**Unit 1: Social Work Methods and MPSW Intervention /**	**B** 1. Concept of Organization, its types& Organizational Structure. 2. vision, mission, values. 3. The Concept and theoretical framework of organizational behavior. 4. Defining conflict and crisis,management. 5. Ways of dealing with conflict and crisis in organizations. 6. Change in organization, change approaches, change process, the role and skills of change agent. **C** 1. Community Development: its need, principles and methods. 2. Historical development of community development in India. 3. Early experiments in rural community development in India. 4. Use of social advocacy, pressure	12	• Chalk and talk method • Lecture • Discussion • Case Study

		groups and public interest litigation		
September	**Unit II: Psychometry / unit 2**	**B** 1. Community Psychiatry : History, Principle, Feature and Programs in Community Mental Health 2. National Mental Health Act - 1987 3. National Mental Health Program of India 4.Role of Psychiatric Social Worker as Family Educator of Mental Illness & Mental Retardation. Epilepsy: Causes, Types and Treatment of Epilepsy, Social impact of Epilepsy. 6-Need, Structure, Programs. **C.** 1. Origin and philosophy of Panchayati Raj administration in India. 2. Role of Panchayati raj in Rural Development. 3.73rd amendments of the constitution 4. Structure of Panchayati Raj system 5. Functions of Panchati Raj system 6. Problems	12	• Chalk and talk method • Lecture • Role Play • Group Activity
October	**Unit3: Community Organization Process**	**B** 1. Intelligences tests: WA IS, WISC & Bhatia battery. 2. Adjustment test: Hugi bell test. 3. Personality test: 16 PF test, draw & person test.	16	• Chalk and talk method • Lecture • PowerPoint Presentation

		4. Psychiatric scales to measure depression, anxiety status. 5. Projective tests: TAT, Rorschach Ink blot test. Child Guidance Clinic: 6. Client Centered Therapy, Psychoanalytical Psychotherapy, Behaviour Therapy, Occupational Therapy, Family Therapy, Chemotherapy &Electro Convulsive Therapy. 7. Psychodrama, Crises Card, Weightage Grid etc. **C** 1. Structure and functions of community development at District, block and village levels. 2. Training for Rural Development functionaries in India. 3. Rural community development programs at the block and village level. 4. Recent trends in voluntary sector regarding rural development. 5. Empowerment of the weaker sections.		
November	**Unit-4: Counseling Skills &Psychotherapies for MPSW**	**B** 1. Meaning, Philosophy, definition, & Features of Counseling. 2. Principles, Techniques, Process and Stages of counseling.	16	• Chalk and talk method • Lecture • Case Study • Discussion

		3. Types of counseling: Family, Marital, Educational, Career and vocational, De-addiction and Industrial Counseling. 4. Application of counseling in different setting like correctional institution, Industrial, Family welfare center, child welfare center. **C** 1. Concept, philosophy and Principles of extension education. 2.Extension education and its applicability in community development. Extensions methods used by GOs and NGOs. 3.NGOs and their role in community development.		
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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विभागाध्यक्ष
डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: Dr. ASHWINI MAHAJAN

Class: 1ST SEMESTER

Course Type: Theory/ Practical

Paper: 2 Fundamentals of Human Growth & Behavior

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**Unit 1: Mental Health & Psychology**	(1) Psychology: Definitions and Fields. (2) Mental Health: (3) Normal & Abnormal Behavior (4) Defense Mechanism. (5) Perspectives of Psychopathology. (6) Human Development: Heredity and Environment.	12	• Chalk and talk method • Lecture • Discussion • Case Study
September	**Unit II: Mental Hygiene**	(1) Meaning, Definition and scope of Mental Hygiene. (2) Characteristics and Importance. (3) Aims. (4) Principles. (S) Program	12	• Chalk and talk method • Lecture • Role Play • Group Activity
October	**Unit3: DevelopmentalStages& Personality Development**	(1) Developmental Stages I: Prenatal, Infancy. (2) Babyhood, Childhood. (3) Puberty, Adolescence, Adulthood. (4) Middle age, Old age. (5) Psycho-Sexual development theory: Sigmund Freud. (6) Psycho-Social development theory: Erick Erickson.	16	• Chalk and talk method • Lecture • PowerPoint Presentation
November	**Unit-4: Social Psychology**	(1) Nature and scope of social psychology.	16	• Chalk and talk method

		(2) Attitude: nature and measurement of attitude prejudice and discrimination. (3) Communication: concept, methods, skills in communication, major obstacles. (4) Mass communication, public opinion, propaganda, fashion, social facilitation crowd behavior.		• Lecture • Case Study • Discussion
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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विभागाध्यक्ष
डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: Dr. ASHWINI MAHAJAN

Class: 1st SEMESTER

Course Type: Theory/ Practical

Paper:4 Social Work Research: Qualitative & Quantitative Techniques and Statistics - Part I

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**Unit l: Research: Nature & Concept**	(1) Nature and Characteristics of Scientific method and Social Phenomenon. (2) Research design: Concept, Types & Meaning and importance of research Design. (3) Experimental Design:	12	• Chalk and talk method • Lecture • Discussion • Case Study
September	**Unit ll: Types and Concepts used in Research**	(1) Types of research. (2) Concepts of research. (3) Meaning ,definition , Nature scope and importance of research	12	• Chalk and talk method • Lecture • Role Play • Group Activity
October	**Unit lll: Problem Formulation and Hypothesis Testing**	(1) Problem formulation: Identifying probable issues for research, selecting specific research issue, formulation of objectives, clarifying the objective. (2) Concepts and relevance of Hypothesis formulation and testing: Level of Significance, Degree of Freedom, Type 1 Type 2 Error.	16	• Chalk and talk method • Lecture • PowerPoint Presentation
November	**UnitlV: Data Collection and Analysis**	(1) Methods of tools of data collection: Observation and	16	• Chalk and talk method • Lecture • Case Study

		Interview Schedule, Questionnaire, and secondary methods of data collection. (2) Sampling design: Probability and non-probability. (3) Data processing and analysis, interpretation and report writing.		• Discussion
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: Dr. ASHWINI MAHAJAN

Class: 3RD SEMESTER

Course Type: Theory/ Practical

Paper: 1 Social Policy and Social Legislation in India

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**Unit 1: Concepts**	1.Public Welfare, Social Policy, Economic Policy, Social Welfare Policy, Affirmative Actions, Protective Discrimination, Distributive and Redistributive Justice. 2. NGO: Rules and Procedures.	12	• Chalk and talk method • Lecture • Discussion • Case Study
September	**Unit II: Social Policy In India: Processes and Actors**	1. Sources of Policy: 2 basic structure of the Indian Political System 3. Policy Formulation Process, Role of Various actors in policy formulation: - international Organizations (UN, W.T.O, World Bank), Pressure Groups, Lobbies, Advocacy Networks, Academic and Research Organization, Industry and Market Forces; Role of Social Workers. 4. Judicial Activism.	12	• Chalk and talk method • Lecture • Role Play • Group Activity
October	**Unit3: Legal Provisions for Special Groups & Social Welfare Administration**	1. Rights of the disadvantaged and the Constitution. 2. Legal provisions for women, Children's and Persons with Disability.	16	• Chalk and talk method • Lecture • PowerPoint Presentation

		3. Development and Progress: Economic and Social Dimensions. 4. Social Welfare Administration: Concept, Need and Objectives. 5. Principles of Social Welfare Administration.		
November	**Unit-4: Legal Aid, Social Advocacy and Role of Social Worker**	1. Legal Aid and Government Initiatives. 2. Social Advocacy and Public Interest Litigation. 3. law and Social Activism: Consumer Protection and Right to Information. 4. Rights of the Disadvantaged: Impediments and Role of Professional Social Workers in Legal Aid and Legal Assistance.	16	• Chalk and talk method • Lecture • Case Study • Discussion
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: Dr. ASHWINI MAHAJAN

Class: 3RD SEMESTER

Course Type: Theory/ Practical

Paper: 3 (GroupB) Psychopathology and Assessment of Psychiatric Disorders

(GroupC)DeyelopmentManagement-Part-t

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
JULY & August	**Unit ll: Biology of Behavior**	**B** 1. Receptors 2. Effectors 3. Nervous System 4. Central Nervous System 5. Autonomic Nervous System 6- 6. Reflex actions **C** 1. Concept of Organization,types& Structure. vision, mission, values. 3. The Concept and theoretical framework of organizational behavior. 4. Defining conflict and crisis 5. Ways of dealing 6.change approaches, process, the role and skills of change agent.	12	• Chalk and talk method • Lecture • Discussion • Case Study
September	**Until ll : Mental and Behavioral Disorders!**	**B**.1. Symptomatology: sign and symptoms of major mental disorders. 2. Organic Mental disorder. 3. Psychoactive substance use disorder. 4. Schizophrenia, Schizotypal and Delusional disorder. 5.Neurotic stress related and somatoform disorder. Disorder of Adult Personality and Behavior. **C** 1. Societies Registration Act.	12	• Chalk and talk method • Lecture • Role Play • Group Activity

		2. Registration of society: legal and other requirements. 3. Administrative process in a voluntary agency. General Body, Board of governors and various committees.		
October	**Unit3: Legal Provisions for Special Groups & Social Welfare Administration**	**B** 1. Rights of the disadvantaged and the Constitution. 2. Legal provisions for women, Children's and Persons with Disability. 3. Development and Progress: Economic and Social Dimensions. 4. Social Welfare Administration: Concept, Need and Objectives. 5. Principles of Social Welfare Administration. **C** 1. Organizational sustainability: Concept, approach and practices of sustainability at organizational level and program level. 2. Factors affecting sustainability. 3. Financial sustainability: Need and importance 4. Models of Fund Raising, Financial institutions, basics of micro finance.	16	• Chalk and talk method • Lecture • PowerPoint Presentation
November	**Unit-4:Mental and Behavioral Disorders**	**B** 1. Pain disorders, Sleep disorders, Eating Disorders, Psycho-Sexual disorders. 2. Child Psychiatry, Geriatric Psychiatry, Psychiatric Sequel of Physical Disorders. 3. Mood (Affective) Disorders, Dissociative Disorders. 4. Adjustment and Impulse Disorders.	16	• Chalk and talk method • Lecture • Case Study • Discussion

		5. Disorders Related to Women. **C** 1. Organizational culture and factors affecting organizational culture 2. Organizational change, change process, the role and skills of change agent. 3.Management styles and leadership Motivation-Importance of motivation and theories of Motivation. (Maslows Theory, Herzburg theory, Achievement motivation theory)		
December	Unit 1,2,3 & 4	Review and Recap	18	• Chalk and talk method • Lecture • Field Visits • Group Discussion

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Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 2ND SEMESTER

Course Type: Theory/ Practical

Paper: 1 Fields of Social Work in India

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
January	**Unit 1: Fields of Social Work**	(1) Family and child welfare. (2)scheduled castes,tribes and other backward classes Medical and Psychiatric social work. (3) Community development-rural and urban Welfare of the physically and mentally challenged.	9	• Chalk and talk method • Lecture • Discussion • Case Study
February	**Unit II: Fields of Social Work**	(1) Welfare of the women, working with adolescence welfare of youth. (2) Welfare of the aged (Gerontology) School social work. (3) Social work in disaster situation Social defense. (4) Labour welfare and Personnel Management.	8	• Chalk and talk method • Lecture • Role Play • Group Activity
March	**Unit 3: Voluntary Action for Social Work & Sarvodaya Movement in India**	(1) Voluntary Action: Voluntary efforts for social Welfare in India. (2) Role and contributions of NGOs in Social welfare. (3) Scope, need and limitations for voluntary welfare programs in India. (4) Social Welfare and Sarvodaya Movement in India Sarvodaya ideology of reconstruction of Society. (5) History of Sarvodaya movement in India-	7	• Chalk and talk method • Lecture • PowerPoint Presentation

		Gandhian and post Gandhian era.		
April	**Unit IV: State Action for Social Welfare in India**	(1) Concept of the welfare state and the Indian Constitution (relevant portions). (2) State Action: Scope, need and limitations of social welfare programs in India. (3) Brief account of social welfare programs and provisions in Five Year Plans.	11	• Chalk and talk method • Lecture • Case Study • Discussion

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डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 2ND SEMESTER

Course Type: Theory/ Practical

Paper:3 Social Case Work

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
January	**Unit I: Social case Work as a method of Social Work: introduction**	(1) Concept, Need and Objectives of Social Case Work (2) Case Work {3) Importance ,method (4) Social Case Work and other therapeutic methods (5) Scope and practice of Social case work in different Settings.	9	• Chalk and talk method • Lecture • Discussion • Case Study
February	**Unit II: Basics of Social Case Work**	{1) Components of Case Work {2) Basic Concepts in Social Work: Ego, Social Role. Stress and Adaptation (3) Causes of interpersonal adjustment problem {4) Professional Self	8	• Chalk and talk method • Lecture • Role Play • Group Activity
March	**Unit 3 : Social Case Work Theory& Practices in India**	1) Principles of Social Case Work Practice. (2) Phases of Social case Work- Study, Continuous assessment and analysis, Psycho- Social Diagnosis, Intervention, Follow-up, Termination. (3) Social Case work: Retrospect and Prospect. Techniques of Intervention. (4) Client-casework Relationship. (5) Limitations of Social case work practice in India.	7	• Chalk and talk method • Lecture • PowerPoint Presentation

April	**Unit IV: Essentials of Practice**	(1) Interviewing: Concept and Types. (2) Specific skills and basic Rules of Interviewing. (3) Specific Interviewing problems. {4) Recording in Social Case Work: Concept, Purpose and Types. (5) Principles of Recording. (6) Changing Context of practice and future challenges.	11	• Chalk and talk method • Lecture • Case Study • Discussion

Principal
Govt. V.Y.T. P.G. Autonomus
College, Durg (C.G.)

विभागाध्यक्ष
डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: NIKHIL DESHLAHRA

Class: 4th SEMESTER

Course Type: Theory/ Practical

Paper: 2 Training and Development

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
January	**Unit I:**	1.Need of Training and Development in the social welfare sector. 2.Conditions for learning, problems in learning, learning characteristic role and skills required for a trainer	9	• Chalk and talk method • Lecture • Discussion • Case Study
February	**Unit 2:**	1. Training system: Concept and components. 2. Need for systems approach. 3. Validation and implementation	8	• Chalk and talk method • Lecture • Role Play • Group Activity
March	**Unit 3 :**	1. Identification of training needs. 2. Determination of training objectives. 3. Evaluating effectiveness of training, assessment methods	7	• Chalk and talk method • Lecture • PowerPoint Presentation
April	**Unit 4:**	1. Designing training sessions and learning sessions. Lesson Plan, Course materials, Visual aids. Room lay out and facilities. Delivery skills. 2. Training techniques and aids.	11	• Chalk and talk method • Lecture • Case Study • Discussion

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विभागाध्यक्ष
डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: Dr. ASHWINI MAHAJAN

Class: 2ND SEMESTER

Course Type: Theory/ Practical

Paper.2 Health Behavior and Behavioral Problems

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
January	**Unit I: Health & Illness**	(1) Meaning and Definition of Health , Illness. (3) Dimensions (4) Determinants (5) Indicators of Health.	9	• Chalk and talk method • Lecture • Discussion • Case Study
February	**Unit 2: Personality& Theory of Human Behavior**	(1) Meaning and Definition of Personality& Types of personality. (2) Allport's Personality Traits: Criteria, Conclusion and Types. (3) Determinants of Personality, Personality test: Projective techniques, Personality Inventories. (4) Theories of Human Behavior - Memory, Motivation, Emotion, Intelligence, Learning.	8	• Chalk and talk method • Lecture • Role Play • Group Activity
March	**Unit 3: Mental Retardation & Intervention**	(1) Mental Retardation: Causes & Types. (2) Psychotherapies: Overview of major therapies. (3) Counseling: Definition, Areas. (4) Field of Counseling.	7	• Chalk and talk method • Lecture • PowerPoint Presentation

April	**Unit 4: Behavioral Problems**	(1) Stress: Etiology, Bodily Changes & Coping Strategy. (2) Etiological Factors of Mental Illness: Biological, Psychological and Social factors. (3) Mental Illness: Neurosis, Psychosis and Personality Development. (4) Mental and Behavioral Disorder: ICD -10.	11	• Chalk and talk method • Lecture • Case Study • Discussion

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विभागाध्यक्ष
डॉ. अश्विनी महाजन

Name of Department: MASTER OF SOCIAL WORK

Name of Teacher: Dr. ASHWINI MAHAJAN

Class: 4th SEMESTER

Course Type: Theory/ Practical

Paper:3 (Group: B) Health Welfare Administration

(Group C) Development Management Part-2

Month	Unit/Title	Topic of Lecture	No. of Lectures	Methods/Mode of Delivery
January	**UNIT 1/Unit I: Health Services in Community & Health Welfare**	**B** 1. Mother and Child Health Services and Immunization Programs in India. 2. Methods of Family Planning, Social, Cultural & Religious factors influencing Acceptance of Family Planning, Nutrition and Nutritional Diseases & Preventive Measures. 3. School Health Program, Need & Organization of Health Programs in School. 4. Meaning and Evolution of Social Medicine, 5. Current Budget Allocation for Health Welfar 6. Medical & Psychiatric Social Work Practices in India & Western Countries. **C** 1. Manpower planning, recruitment, selection, placement and induction. 2. Performance appraisal and potential appraisal. 3. Training and development, Career development and career planning	9	• Chalk and talk method • Lecture • Discussion • Case Study

		4. Compensation and reward, Organizational development techniques.		
February	**UNIT 2/Unit 2: Human Body**	**B** 1. Structure and functioning of five receptors 2. Heart, Circulation, Diseases and Management 3. Digestion system and stomach diseases 4. Bone and muscles 5. Reproductive system 6. Respiratory system 1. **C** Communication theories and practices, Components of communication. 2. Factors affecting communication of messages **3.** Communication practices adopted for extension activities	8	• Chalk and talk method • Lecture • Role Play • Group Activity
March	**Unit 3: MPSW Intervention in Hospital - I**	**B** 1- Economic Assistance to Poor Patients through MPSW lntervention2- MPSW as Patient Welfare Officer 3- Multidisciplinary Approach in Hospital: Meaning, Advantages and Mechanism.4- MPSW Department in Hospitals: Need, Structure and Administration. 5- Medical Sociology 1. **C** Project planning and logical framework analysis. 2. Goal setting, formulation of objectives, identification of strategies and activities.	7	• Chalk and talk method • Lecture • PowerPoint Presentation

		3. Monitoring and evaluation of programs.		
April	**Unit 4: MPSW intervention in Hospital - II**	**B** 1- Major Cases, Diagnosis, Treatment and MPSW Intervention in the Departments & units of: Cardiology, Gastroenterology, Pediatric, Dermatology, Ophthalmology, Diabetes, 2- Major Cases, Diagnosis, Treatment and MPSW Intervention in the Departments & unitsof: Burn, Cancer, I.C.U, O.H.U, I.C.C.U, Obesity, Thalasemic, Blood Bank, 3- MPSW Intervention in Seven types of Disabilities. 4- MPSW Services for : Chronic, Acute, Terminal ill, Palliative care Patients **C** 1. SWOT analysis for development organizations. 2. Strategy development and strategy implementation. 3. Organizational effectiveness through capacity building.	11	• Chalk and talk method • Lecture • Case Study • Discussion