

DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM & MARKING SCHEME

B.A. III, IV, V, VI Semester
GEOGRAPHY

(Based on Choice Based Credit System)

SESSION : 2024-25



ESTD : 1958

GOVT. V.Y.T. PG AUTONOMOUS COLLEGE,
DURG, 491001 (C.G.)

(Former Name – Govt. Arts & Science College, Durg)

NAAC Accredited Grade A⁺, College with CPE - Phase III (UGC), STAR COLLEGE (DBT)

Phone : 0788-2212030

Website - www.govtsciencecollegedurg.ac.in, Email – autonomousdurg2013@gmail.com

**GOVT. V.Y.T. P.G. AUTONOMOUS COLLEGE
DURG (C.G.)**

SYLLABUS

U.G. GEOGRAPHY

SEMESTER EXAMINATION

B. A. SEM. EXAM. : III/IV (2024-25)

B. A. SEM. EXAM. : V/VI (2024-25)

**APPROVED BY BOARD OF STUDIES
DEPARTMENT OF GEOGRAPHY**

**GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE DURG
DEPARTMENT - GEOGRAPHY**

Approved syllabus for B.A. GEOGRAPHY by the members of Board of Studies for the
Sessions 2024-25

The syllabus with the paper combinations is as under

Semester III:

Paper III: Climatology & Oceanography (CORE & GEC) DSE I : Urbanization and Urban System	Practical Geography
Skill Enhancement : BGESE02 : Fundamentals of Remote Sensing.	

Semester IV:

Paper IV : Geography of India and chhattisgarh (CORE & GEC) DSE II: Demography and Population Studies	Practical Geography
Skill Enhancement : BGESE03 : Thematic Atlas	

Semester V:

Paper V : Economic and Resource Geography(CORE & GEC) DSE III: Agriculture and Food Security <i>DSE IV: Evolution of Geographical Thought</i>	Practical Geography
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Semester VI:

Paper VI : REMOTE SENSING AND G.I.S (CORE & GEC) DSE V :Geography of Social Wellbeing	Practical Geography
Skill Enhancement : Regional Planning and Sustainable Development <i>DSE VI : Resources and Environment</i>	

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25

Name and Signatures

Name and Signatures		Departmental members
Chairperson/H.O.D. <i>A. D. Mishra</i>	<i>27-6-2024</i>	1. <i>[Signature]</i>
Subject Expert (University Nominee) <i>[Signature]</i>		2.
Subject Expert (College Nominee) <i>[Signature]</i>		3.
Subject Expert (College Nominee) <i>[Signature]</i>		4.
Industrial Area (Representative) <i>[Signature]</i>		5.
Meritorious Alumni of Postgraduate <i>[Signature]</i>	<i>(Bhanu Prasad)</i>	6.
Professors of other department of the same Faculty <i>[Signature]</i>		

GOVT. V.Y.T.P.G. AUTONOMOUS COLLEGE DURG

Dept. of Geography

Session – 2024-25

B.A/B.Sc III,IV,V, & VI SEM.

B.A. III & IV SEM (CORE, DSE & GEC)

Core & Gec Theory Papers - 100

Dse Theory Papers - 100

Practical - 50

B.A. V & VI, SEM (CORE & GEC)

Core & Gec Theory Papers - 75

B.A. V & VI Dse Theory Papers- 75

Practical - 25

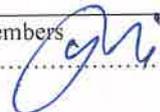
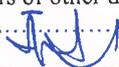
Skill Enhancement : MARKS -50

Theory Papers - 25

Practical - 25

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25

Name and Signatures

Name and Signatures	
Chairperson/H.O.D. 	Departmental members 
.....	1.....
Subject Expert (University Nominee)..... 	2.....
Subject Expert (College Nominee).....	3.....
Subject Expert (College Nominee)..... 	4.....
Industrial Area (Representative).....	5.....
Meritorious Alumni of Postgraduate..... 	6.....
Professors of other department of the same Faculty 	

FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART-A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree / Honors)		Semester - I	Session: 2024-2025
1	Course Code	GOSC - 01 T	
2	Course Title	Fundamental of Physical Geography	
3	Course Type	DSC	
4	Pre-requisite (if, any)	As per the program	
5	Course Learning Outcomes(CLO)	At the end of this course , the students will be able to : 1- Understand the functioning of Earth systems and analyze geo morphological, climatic and oceanic factors. 2- Understand the Physical aspect of Geographical concepts which are relevant in day to day life 3- To record the temperature, pressure, humidity, rainfall and other climatic conditions and evaluate the local climate 4- Understand the Oceanic Features and Conditions.	
6	Credit Value	3 Credits	Credit = 15 Hours -learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks:40

PART -B: Content of the Course		
Total No. of Teaching-learning Periods(01 Hr. per period) - 45 Periods (45 Hours)		
Unit	Topics (Course contents)	No. of Period
I	Fundamental of Physical Geography- Definition and Scope of Physical Geography, Origin of the Earth- Nebular Theory, Hoyle and Littleton Theory. Interior of the earth:- Composition and Structure. Folds and Faults- Origin and Classification.	12
II	Rocks: - Origin, Classification and Characteristics. Teaching- Meaning, Types. Agents of Erosion- Winds , River and their resultant topographical features	10
III	Atmosphere- Elements of Weather and Climate, Composition of the Atmosphere, Atmospheric Temperature, Pressure Belt, winds, Tropical Cyclone and Origin and mechanism of Monsoon.	12
IV	Hydrosphere- Relief of the Ocean Basins-Tetrahedral theory. Hydrological Cycle, Ocean Salinity, Ocean Temperature-vertical and horizontal Distribution , Ocean Currents (Pacific and Indian)	11
Keywords	Topographical Features, Erosion, Tetrahedral, Faults.	

Signature of Convener, Members of CBoS :

(1) Dr. B. K. Saini
 (2) Dr. A. K. Thakur
 (3) M. S. SAHU
 (4) Dr. C. P. NATH
 (5) Dr. D. D. Kishor
 (6) Dr. (A. J.) P. Kishor
 (7) A. BECK
 (8) Dr. Seema Mishra
 (9) Dr. GRACE KUTUB
 (10) Dr. Sushma Taha
 (11) Dr. Sushma Taha
 (12) Dr. Sushma Taha
 (13) Dr. Sushma Taha

Date: 10.6.2024

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

- 1- A.H. Strahler, Arthur Strahler, *Introducing Physical Geography*, John Wiley & Sons, New York, 2005
- 2- Strahler, A.N. and Strahler, A.H., *Modern Physical Geography*; John Wiley & Sons, 1992
- 3- Thornbury, W.D., *Principles of Geomorphology*, Wiley Eastern, 1969
- 4- Critchfield, H., *General Climatology*, Prentice-Hall, New York, 1975.
- 5- Savindra Singh- *Physical Geography* (Hindi and English Both) Prawalika Publication Prayagraj
- 6- Lal D.S. – *Physical Geography*, (Hindi) Sharda Pustak Bhavan, Prayagraj, 2012
- 7- Lal D.S.-*Climatology & Oceanography* (Hindi and English Both) Sharda Pustak Bhavan Prayagraj
- 8- Mazid Husain- *Bhautik Bhoogol*, Rawat Publication, Jaipur, 2019
- 9- Alka Gautam- *Bhautik Bhoogol*, Rastogi Publication, Meerut, 2012

Reference Books:

- 1- Holmes, A. *Principle of Physical Geology*, Nelson 1966
- 2- Monkhouse, F.J., *Principles of Physical Geography*, London Press. 1962
- 3- Dayal, P. *Geomorphology*, Rajesh Publication New Delhi 6 th Edition-2017

Online Resources– (e-Resources / e-books and e-learning portals)

- The Dictionary of Physical Geography by David S.G. Thomas ISBN: 9781118782316 Publication Date: 2016
<http://www.physicalgeography.net/fundamentals/1b.html>
- <https://epustakalay.com/book/27260-bhautik-bhugol-by-dr-l-n-upadhyaya/>
- <https://open.umn.edu/opentextbooks/textbooks/926>
- <http://www.physicalgeography.net/fundamentals/contents.html>
- https://books.google.co.in/books/about/Principles_of_Physical_Geography.html?id=WHqvCwAAQBAJ&redir_esc=y

OnlineResources–(e-Resources/e-books and e-learning portals)

- www.ignou.ac.in
- www.egyankosh.ac.in
- www.iitm.ac.in
- www.eskillindia.org
- www.eshiksha.mp.gov.in
- www.vlab.co.in
- www.swavam.ac.in
- www.internshala.com

PART-D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment(CIA): 30 Marks

End Semester Exam(ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 +20 Assignment/Seminar- 10 Total Marks -30	Better marks out of the two Test / Quiz+ obtained marks in Assignment shall be considered against 30 Marks
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End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4=20Marks Section B: Descriptive answer type qts., 1 out of 2 from each unit- 4x10=40Marks
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Signature of Convener, Members of CBoS:

① Dr. D. B. Kashyap
② Dr. A. H. Thakur
③ Mrs. S. S. Sahu
④ Dr. C. P. Sahu
⑤ Dr. D. B. Kashyap
⑥ Dr. Anil J. P. Mishra
⑦ A. BECK
⑧ Dr. Suman Mathur
⑨ Dr. S. S. Sahu
⑩ Dr. S. S. Sahu
⑪ Dr. S. S. Sahu
⑫ Dr. S. S. Sahu
⑬ Dr. S. S. Sahu

FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree / Honors)		Semester -I	Session: 2024-2025
1	Course Code	GOGE - 01 P	
2	Course Title	Practical 1 - Cartography-Tools and Techniques	
3	Course Type	Practical	
4	Pre-requisite (if, any)	As per program	
5	Course Learning Outcomes (CLO)	<i>At the end of this practical course the student will have an ability to</i> 5- Understand the basic concepts of cartography 6- Learn and prepare the different kinds of maps. 7- Recognize basic themes of map making. 8- Develop an idea about different types of thematic mapping techniques.	
6	Credit Value	1 Credits	Credit =30 Hours Laboratory or Field learning/Training
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

PART -B: Content of the Course		
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)		
Module	Topics (Course contents)	No. of Period
Lab./Field Training/ Experiment Contents of Course	4- History of Cartography, Indian cartography, Modern cartography, Drawing Equipment's, 5- Characteristics Features of Map, classification of maps, Mapping methods. Tools of Map Making, Type of printed Shades. 6- Enlargement, Reduction and Combination of Maps- Graphical and Mechanical Methods.	30
Keywords	Cartography ,Enlargement, Reduction , Graphical	

Signature of Convener, Members of CBoS :

(1) Dr. B. L. Sen
 (2) [Signature]
 (3) [Signature]
 (4) [Signature]

(5) [Signature]
 (6) [Signature]
 (7) [Signature]
 (8) [Signature]
 (9) [Signature]

(10) DRS Jindal
 10/06/24

PART-C: Learning Resources

Text Books, Reference Books and Others

4. Sharma, J.P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut 3rd edition.
5. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
6. Singh, L.R. (2006) : Fundamentals of Practical Geography, Sharda Pustak Bhawan.
- 7- Haroon, M. , Practical Geography. Mishra Trading Corporation, Varanasi, 2010
- 8- Chauhan, P R. 2005. Practical Geography, Vasundhara Prakashan. Gorakhpur
- 9- Istiyak.M. 1989, A Textbook of Practical Geography, Heritage Publication New Delhi

Online Resources—(e-Resources/e-books and e-learning portals)

- <https://books.google.co.in/books>
- https://uou.ac.in/sites/default/files/slm/DGIS-https://books.google.co.in/books?id=mZKhRkZ7qawC&printsec=copyright&redir_esc=y#v=onepage&q&f=false
- https://www.researchgate.net/publication/372371977_PRACTICAL_GEOGRAPHY_Prof_RN_Mishra_Dr_PK_Sharma_SAMPLE_COPY

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks:	50 Marks
Continuous Internal Assessment (CIA):	15 Marks
End Semester Exam (ESE):	35 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2):	10 & 10	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
	Assignment/Seminar + Attendance -	05	
	Total Marks -	15	
End Semester Exam (ESE):	Laboratory / Field Skill Performance: On spot Assessment		Managed by Course teacher as per lab. status
	D. Performed the Task based on lab. work	- 20 Marks	
	E. Spotting based on tools & technology (written)	- 10 Marks	
	F. Viva-voce (based on principle/technology)	- 05 Marks	

Signature of Convener, Members of CBoS:

1) Dr. S. B. Singh
 2) Dr. P. K. Singh
 3) Dr. M. Singh
 4) Dr. R. Singh
 5) Dr. S. Singh
 6) Dr. P. Singh
 7) Dr. S. Singh
 8) Dr. P. Singh
 9) Dr. S. Singh

10) Dr. S. Singh
 11/06/24

FOUR YEAR UNDERGRADUATE PROGRAM(2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART-A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree/Honors)		Semester - II	Session: 2024-2025
1	Course Code	GOSC – 02 T	
2	Course Title	Fundamental of Human Geography	
3	Course Type	DSC	
4	Pre-requisite(if, any)	As per the program	
5	Course Learning Outcomes(CLO)	At the end of this course the student will e have an ability to 1- Gain knowledge about major themes of human Geography. 2- Acquire knowledge on the history and evolution of humans. 3- Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations. 4- Ability to develop an idea about space and society 5- Understand the evolution of varied types of economic activities. 6- Assess the varied aspects of development and regional disparity, in order to formulate measures of balanced development and sustainable development.	
6	Credit Value	3 Credits	Credit = 15 Hours -learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks:40
PART -B: Content of the Course			
Total No. of Teaching-learning Periods(01 Hr. per period) - 45 Periods (45 Hours)			
Unit	Topics (Course contents)		No. of Period
I	Introduction to Human Geography Definition, nature and scope. Fundamental concept in Human Geography . Understanding of man- nature relationship:- Determinism, Possibilism and Neo-determinism. Classification of Human Occupation		12
II	Population and Settlement - Growth of population, distribution and density of the world. Socio- economic Pattern of Population – Literacy, Migration:- Causes, and types .Occupational Structure. Theory and Model of population growth:-Concept of Optimum Population, Over Population and Under population.		10
III	Human Settlement and Races- Types and characteristics of human settlement- Rural settlement and Urban Settlement. Human Races- Basis of Racial Classification, world distribution. Habitat and economy of selected communities (Gond, Eskimo, Bushmen).		12
IV	Geography and Development- Indicators and measures of Regional development ., Global pattern of development:- inter-regional variations, HDI. Concept of Sustainable Development.		11
Keywords	Determinism, Possibilism, Occupational Structure. Optimum Population, Racial		

Signature of Convener, Members of CBoS :

1. Dr. B. L. Saha
 2. Dr. B. K. Thakur
 3. M. S. SAHU
 4. Dr. CP SAHU
 5. Dr. S. Jyoti
 6. Dr. S. Jyoti
 7. Dr. S. Jyoti
 8. Dr. S. Jyoti
 9. Dr. S. Jyoti
 10. Dr. S. Jyoti
 11. Dr. S. Jyoti
 12. Dr. S. Jyoti
 13. Dr. S. Jyoti

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

- 10- James, M. Robenstein, *An Introduction to Human Geography*, Prentice Hall, New Jersey, 2001
- 11- Michael. Can, *New Patterns: Process and Change in Human Geography* Nelson, 1997
- 12- Hussain Mazid- *Human Geography*, (Hindi & English Both) Rawat Publication Jaipur
- 13- Garg H.S. *Manav Bhoogol*, SBPD Publication, Agra.
- 14- Haroon Mohammad, *Manav Bhoogol*, Wisdom Publication
- 15- Kausik S.D. *Manav avam Arthik Bhoogol*, Rastogi publication Meerut.
- 16- Maurya, S.D. *Manav Bhoogol*, Sharda Pustak Bhavan, Prayagraj.2009
- 17- Khullar, D. R. *Human Geography*, (In Hindi) Kalyani Publishers, Ludhiyana, 2016
- 18- Prasad, Gayatri, *Cultural Geography*, (In Hindi) Sharda Pustak Bhavan . Prayagraj.

Reference books:

- 5- Bergwan, Edward E., *Human Geography: Culture. Connections and Landscape*, Prentice Hall, New Jersey. 1995
- 6- Carr, M., *Patterns, Process and change in Human Geography*, MacMillan Education, London, 1987.
- 7- Daniels Peter, Bradshaw Michael, Shaw Devil and Side way James, *Human Geography: Issues for the Twenty First Century*, Prentice Hall, New Jersey, 2001
- 8- Clarke, J I , *Population Geography of Developing Country*, Pergamon press ,Oxford, 1971

E-Books

- <https://web.ung.edu/media/university-press/human-geography.pdf>
- <https://www.drishtias.com/hindi/images/pdf/NCERT-Hindi-Class-12-Geography-Part-1.pdf>
- [http://assets.vmou.ac.in/GE05.pdf-Human Geography](http://assets.vmou.ac.in/GE05.pdf-Human%20Geography)
- <https://open.umn.edu/opentextbooks/textbooks/870>

OnlineResources–(e-Resources/e-books and e-learning portals)

- www.ignou.ac.in
- www.egyankosh.ac.in
- www.iitm.ac.in
- www.eskillindia.org
- www.eshiksha.mp.gov.in
- www.vlab.co.in
- www.swayam.ac.in
- www.internshala.com

PART-D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment(CIA):30 Marks

End Semester Exam (ESE):70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 +20 Assignment/Seminar- 10 Total Marks -30	Better marks out of the two Test / Quiz+ obtained marks in Assignment shall be considered against 30 Marks
End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20Marks Section B: Descriptive answer type qts., 1out of 2 from each unit-4x10=40Marks	

Signature of Convener, Members of CBoS:

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FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree/ Honors)		Semester -II	Session: 2024-2025
1	Course Code	GOSC - 02 P	
2	Course Title	Practical 2 - Scale and Representation of Relief	
3	Course Type	Practical	
4	Pre-requisite (if, any)	As per program	
5	Course Learning- Outcomes (CLO)	At the end of the this course the student will be able to 1- Understand and prepare different kinds of Scales and comprehend the concept of scales . 2- Identify the features of the land form through counters 3- Developed the Relief Map Making skills. 4- Gain in-depth knowledge on Drawing of Contour Features.	
6	Credit Value	1 Credits	Credit =30 Hours Laboratory or Field learning/Training
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

PART -B: Content of the Course		
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)		
Module	Topics (Course contents)	No. of Period
Lab./Field Training/ Experiment Contents of Course	1- Scale- Methods of representing Scale, Conversion of Scale Type of Linear Scale- Simple Scale, Time Scale, Comparative Scale, Diagonal Scale 2- Representing of Relief- Pictorial, Mathematical and Combine Methods. 3- Contours-Land forms Representing By Contours- Hill, Ridge, Plateau, V shaped Valley, U shaped Valley, Waterfall,	30
Keywords	Scale, Diagonal ,Relief , V shaped Valley, Ridge	

Signature of Convener, Members of CBoS:

Dr. B. K. Thakur
 M. S. S. J. H. U.
 Dr. C. P. ...

Dr. S. Yadav
 Dr. Sophie Ambrel
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FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART-A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree / Honors)		Semester - 1	Session: 2024-2025
1	Course Code	GOGE - 01 T	
2	Course Title	Fundamental of Physical Geography	
3	Course Type	GENERIC	
4	Pre-requisite (if, any)	As per the program	
5	Course Learning Outcomes(CLO)	At the end of this course , the students will be able to : 5- Understand the functioning of Earth systems and analyze geo morphological, climatic and oceanic factors. 6- Understand the Physical aspect of Geographical concepts which are relevant in day to day life 7- To record the temperature, pressure, humidity, rainfall and other climatic conditions and evaluate the local climate 8- Understand the Oceanic Features and Conditions.	
6	Credit Value	3 Credits	Credit = 15 Hours -learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks:40

PART -B: Content of the Course		
Total No. of Teaching-learning Periods(01 Hr. per period) - 45 Periods (45 Hours)		
Unit	Topics (Course contents)	No. of Period
I	Fundamental of Physical Geography- Definition and Scope of Physical Geography, Origin of the Earth- Nebular Theory, Hoyle and Littleton Theory. Interior of the earth:- Composition and Structure. Folds and Faults-Origin and Classification.	12
II	Rocks: - Origin, Classification and Characteristics. Weathering- Meaning, Types. Agents of Erosion- Winds , River and their resultant topographical features	10
III	Atmosphere- Elements of Weather and Climate, Composition of the Atmosphere, Atmospheric Temperature, Pressure Belt, winds, Tropical Cyclone and Origin and mechanism of Monsoon.	12
IV	Hydrosphere- Relief of the Ocean Basins-Tetrahedral theory. Hydrological Cycle, Ocean Salinity, Ocean Temperature-vertical and horizontal Distribution , Ocean Currents (Pacific and Indian)	11
Keywords	Topographical Features, Erosion, Tetrahedral, Faults.	

Signature of Convener, Members of CBoS:

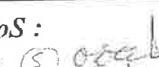
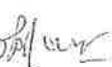
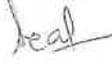
(1) Dr. B. V. ...
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 (10) Dr. S. ...
 (11) ...
 (12) ...

FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Arts <i>(Certificate / Diploma / Degree / Honors)</i>		Semester -I	Session: 2024-2025
1	Course Code	GOSC - 01 P	
2	Course Title	Practical 1 - Cartography-Tools and Techniques	
3	Course Type	Practical	
4	Pre-requisite (if, any)	As per program	
5	Course Learning Outcomes (CLO)	<i>At the end of this practical course the student will have an ability to</i> 1- Understand the basic concepts of cartography 2- Learn and prepare the different kinds of maps. 3- Recognize basic themes of map making. 4- Develop an idea about different types of thematic mapping techniques.	
6	Credit Value	1 Credits	<i>Credit =30 Hours Laboratory or Field learning/Training</i>
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

PART -B: Content of the Course		
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)		
Module	Topics (Course contents)	No. of Period
Lab./Field Training/ Experiment Contents of Course	1- History of Cartography, Indian cartography, Modern cartography, Drawing Equipment's, 2- Characteristics Features of Map, classification of maps, Mapping methods. Tools of Map Making, Type of printed Shades. 3- Enlargement, Reduction and Combination of Maps- Graphical and Mechanical Methods.	30
Keywords	Cartography ,Enlargement, Reduction , Graphical	

Signature of Convener, Members of CBoS :

Dr. P. K. Gaur  (5) 
 Dr. R. K. Thakur  (6) 
 M. S. SAHIL  (7) 
 Dr. C. P. NARAYAN  (8) 
 10. Dr. S. Tulav 
 11. Dr.  Dr. S. Chidder
 12.
 13. Dr. Sophie Ambrose 

FOUR YEAR UNDERGRADUATE PROGRAM(2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART-A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree/Honors)		Semester - II	Session: 2024-2025
1	Course Code	GOGЕ – 02 T	
2	Course Title	Fundamental of Human Geography	
3	Course Type	GENERIC	
4	Pre-requisite(if, any)	As per the program	
5	Course Learning Outcomes(CLO)	At the end of this course the student will e have an ability to 7- Gain knowledge about major themes of human Geography. 8- Acquire knowledge on the history and evolution of humans. 9- Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations. 10- Ability to develop an idea about space and society 11- Understand the evolution of varied types of economic activities. 12- Assess the varied aspects of development and regional disparity, in order to formulate measures of balanced development and sustainable development.	
6	Credit Value	3 Credits	Credit = 15 Hours -learning & Observation
7	Total Marks	Max. Marks: 100	Min Passing Marks:40
PART -B: Content of the Course			
Total No. of Teaching-learning Periods(01 Hr. per period) - 45 Periods (45 Hours)			
Unit	Topics (Course contents)		No. of Period
I	Introduction to Human Geography Definition, nature and scope. Fundamental concept in Human Geography . Understanding of man- nature relationship:- Determinism, Possibilism and Neo-determinism. Classification of Human Occupation		12
II	Population and Settlement - Growth of population, distribution and density of the world. Socio- economic Pattern of Population – Literacy, Migration:- Causes, and types .Occupational Structure. Theory and Model of population growth:-Concept of Optimum Population, Over Population and Under population.		10
III	Human Settlement and Races- Types and characteristics of human settlement- Rural settlement and Urban Settlement. Human Races- Basis of Racial Classification, world distribution. Habitat and economy of selected communities (Gond, Eskimo, Bushmen).		12
IV	Geography and Development- Indicators and measures of Regional development , Global pattern of development:- inter-regional variations, HDI. Concept of Sustainable Development.		11
Keywords	Determinism, Possibilism, Occupational Structure. Optimum Population, Racial		

Signature of Convener, Members of CBoS

(1) Dr. P. S. Yadav
 (2) Dr. S. K. Singh
 (3) Dr. P. K. Singh
 (4) Dr. S. K. Singh
 (5) Dr. S. K. Singh
 (6) Dr. S. K. Singh
 (7) Dr. S. K. Singh
 (8) Dr. S. K. Singh
 (9) Dr. S. K. Singh
 (10) Dr. S. K. Singh
 (11) Dr. S. K. Singh
 (12) Dr. S. K. Singh

Dr. S. K. Singh - Convener

PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

- 1- James. M. Robenstein, *An Introduction to Human Geography*, Prentice Hall, New Jersey, 2001
- 2- Michael. Can, *New Patterns: Process and Change in Human Geography* Nelson, 1997
- 3- Hussain Mazid- *Human Geography*, (Hindi & English Both) Rawat Publication Jaipur
- 4- Garg H.S. *Manav Bhoogol*, SBPD Publication, Agra.
- 5- Haroon Mohammad, *Manav Bhoogol*, Wisdom Publication
- 6- Kausik S.D. *Manav avam Arthik Bhoogol*, Rastogi publication Meerut.
- 7- Maurya, S.D. *Manav Bhoogol*, Sharda Pustak Bhavan, Prayagraj.2009
- 8- Khullar, D. R. *Human Geography.*(In Hindi) Kalyani Publishers, Ludhiyana, 2016
- 9- Prasad, Gayatri, *Cultural Geography*, (In Hindi) Sharda Pustak Bhavan . Prayagraj.

Reference books:

- 1- Bergwan, Edward E., *Human Geography: Culture. Connections and Landscape*, Prentice Hall, New Jersey. 1995
- 2- Carr, M., *Patterns, Process and change in Human Geography*, MacMillan Education, London, 1987.
- 3- Daniels Peter, Bradshaw Michael, Shaw Devil and Side way James, *Human Geography: Issues for the Twenty First Century*, Prentice Hall, New Jersey, 2001
- 4- Clarke, J I , *Population Geography of Developing Country*, Pergamon press ,Oxford, 1971

E-Books

- <https://web.ung.edu/media/university-press/human-geographyv.pdf>
- <https://www.drishtias.com/hindi/images/pdf/NCERT-Hindi-Class-12-Geography-Part-1.pdf>
- <http://assets.vmu.ac.in/GE05.pdf>-Human Geography
- <https://open.umn.edu/opentextbooks/textbooks/870>

OnlineResources–(e-Resources/e-books and e-learning portals)

- www.ignou.ac.in
- www.egyankosh.ac.in
- www.iitm.ac.in
- www.eskillindia.org
- www.eshiksha.mp.gov.in
- www.vlab.co.in
- www.swayam.ac.in
- www.internshala.com

PART-D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment(CIA):30 Marks

End Semester Exam (ESE):70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 +20 Assignment/Seminar- 10 Total Marks -30	Better marks out of the two Test / Quiz+ obtained marks in Assignment shall be considered against 30 Marks
End Semester Exam (ESE):	Two section – A & B Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20Marks Section B: Descriptive answer type qts., 1 out of 2 from each unit-4x10=40Marks	

Signature of Convener, Members of CBOS:

Dr. B. L. Singh

Dr. R. K. Thakur

M. S. SATHI

Dr. C. P. Gupta

10 Dr. S. Chandra

11 Dr. Shridhar

12

13 Dr. Sushis Ambekar

14

15

FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF GEOGRAPHY
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Arts (Certificate / Diploma / Degree/ Honors)		Semester -II	Session: 2024-2025
1	Course Code	GOGE- 02 P	
2	Course Title	Practical 2 - Scale and Representation of Relief	
3	Course Type	Practical	
4	Pre-requisite (if, any)	As per program	
5	Course Learning Outcomes (CLO)	At the end of the this course the student will be able to 5- Understand and prepare different kinds of Scales and comprehend the concept of scales . 6- Identify the features of the land form through counters 7- Developed the Relief Map Making skills. 8- Gain in-depth knowledge on Drawing of Contour Features.	
6	Credit Value	1 Credits	Credit =30 Hours Laboratory or Field learning/Training
7	Total Marks	Max. Marks: 50	Min Passing Marks: 20

PART -B: Content of the Course		
Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)		
Module	Topics (Course contents)	No. of Period
Lab./Field Training/ Experiment Contents of Course	4- Scale- Methods of representing Scale, Conversion of Scale Type of Linear Scale- Simple Scale, Time Scale, Comparative Scale, Diagonal Scale 5- Representing of Relief- Pictorial, Mathematical and Combine Methods. 6- Contours-Land forms Representing By Contours- Hill, Ridge, Plateau, V shaped Valley, U shaped Valley, Waterfall,	30
Keywords	Scale, Diagonal ,Relief, V shaped Valley, Ridge	

Signature of Convener, Members of CBoS:

(1) Dr. B. L. ...
 (2) ...
 (3) ...
 (4) ...

(5) ...
 (6) ...
 (7) ...
 (8) ...
 (9) ...

Dr. S. ...
 Dr. ...
 Dr. ...

10/06/24

PART-C: Learning Resources

Text Books, Reference Books and Others

- 2- Sarkar, A.K. (1997): Practical Geography : A Systematic Approach. Orient Publication Kolkata.
5. Sharma, J.P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut .
6. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
7. Singh, L.R. (2006) : Fundamentals of Practical Geography, Sharda Pustak Bhawan,
- 10- Haroon, M. , Practical Geography, Mishra Trading Corporation, Varanasi,2010
- 11- Chauhan, P R. 2005, Practical Geography, Vasundhara Prakashan, Gorakhpur
- 12- Istiyak.M. 1989,A Textbook of Practical Geography,Heritage Publication New Delhi
- 13- Mishra R.N. ,P K Sharma, Prayogik Bhoogol Rawat Publication, Jaipur ,2019
- 14- Khullar , D.R., Prayogatmak Bhoogol, Kalyani Publishers. Ludhiyana.

Online Resources – (e-Resources/e-books and e-learning portals)

- <https://books.google.co.in/books>
- https://uou.ac.in/sites/default/files/slm/DGIS-https://books.google.co.in/books?id=mZKhRkZ7qawC&printsec=copyright&redir_esc=y#v=onepage&q&f=false
- https://www.researchgate.net/publication/372371977_PRACTICAL_GEOGRAPHY_Prof_RN_Mishra_Dr_PK_Sharma_SAMPLE_COPY

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 50 Marks

Continuous Internal Assessment (CIA): 15 Marks

End Semester Exam (ESE): 35 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar +Attendance - 05 Total Marks - 15	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
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End Semester Exam (ESE):	Laboratory / Field Skill Performance: On spot Assessment D. Performed the Task based on lab. work - 20 Marks E. Spotting based on tools & technology (written) – 10 Marks F. Viva-voce (based on principle/technology) - 05 Marks	Managed by Course teacher as per lab. status
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Signature of Convener, Members of CBoS:

① Dr. B. K. Singh
② [Signature]
③ [Signature]
④ [Signature]

⑤ [Signature]
⑥ [Signature]
⑦ [Signature]
⑧ [Signature]
⑨ [Signature]
⑩ [Signature]
Dr. Sophie Ambale, [Signature]
10/06/22

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. III Semester (Geography)
Session – 2024-25
Climatology & Oceanography

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Know the changing human and cultural landscape at different levels.
2. Understand patterns and processes of population growth and its implications.
3. Appreciate the nature and quality of human landscapes.

Unit – I

1. Meaning, definition and scope Of Climatology
2. Composition and Structure of atmosphere
3. Insolation.
4. Temperature – Factors and distribution, Temperature inversion.
5. Heat budget.

UNIT-II

1. Atmospheric Pressure- Distribution and Pressure belt.
2. Winds- Forces affecting winds, Types of winds (Planetary, seasonal and local winds).
3. Atmospheric moisture- Humidity (Absolute, Specific, Relative.)
Condensation (Dew, Frost, Fog), Types of Rainfall (Convictional, Orographic & Cyclonic).

UNIT-III

1. Clasification of climatic regions- Koppen's.
2. World climatic region- Equatorial, Monsoon, Mediterranean, Tundra.
3. Fronts, Cyclone (Tropical & Temperate).

UNIT-IV

1. Nature & Scope of Oceanography.
2. Major feature of ocean basins- Continental shelf, Continental slope, Deep sea plain, Oceanic deeps.
3. Ocean salinity & temperature- distribution & determinates.

UNIT - V

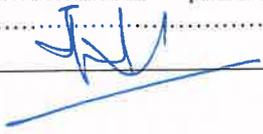
1. Oceanic water movements- Currents: Pacific, Atlantic & Indian ocean, tides(types)
2. Coral Reefs:Conditions of formation &Types.
3. Marine deposits: Source & Classification.
4. Ocean Resources (Biological, Minerals & Energy resources.)

Suggested Readings

1. Sharma, R.C. :” The Oceans” Rajesh N. Delhi, 1985.
2. Ummerkutty, A.N.P. Science of the Oceans and Human life, NBT,New Delhi 1985.
3. सिंह ,सविन्द्र – समुद्र विज्ञान ,प्रयाग पुस्तक भवन ,इलाहाबाद
4. नेगी ,बी. एस. : जलवायु तथा समुद्र विज्ञान ,केदारनाथ ,रामनाथ प्रकाशन ,मेरठ

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25.

Name and Signatures

Chairperson/H.O.D. 	Departmental members
Subject Expert (University Nominee)..... 	1..... 
Subject Expert (College Nominee).....	2.....
Subject Expert (College Nominee)..... 	3.....
Industrial Area (Representative).....	4.....
Meritorious Alumni of Postgraduate..... 	5.....
Professors of other department of the same Faculty	6.....
	

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. III Semester (Geography)
Session – 2024-25

Practical (CORE &GEC)

Learning Outcome: After the completion of course, the students will have ability to:

1. Read and prepare maps.
2. Comprehend locational and spatial aspects of the earth surface.
3. Use and importance of maps for regional development and decision making.

Course Content:

Contour : Interpolation, Methods of showing relief. Representation of different landforms by contours: Conical hill, Plateau, Waterfall, V-Shaped Valley, U- Shaped Valley, Uniform slope, Undulating slope, Terraced slope, Concave slope, Convex slope.

Profiles : Serial profiles, Superimposed, Projected and Composite.

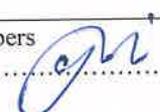
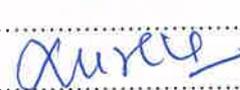
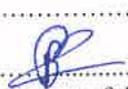
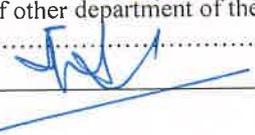
Survey : Prismatic Compass Survey.

Books Recommended:

1. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
2. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi,.
3. श्रीवास्तव, बी.के. : भूगोल में सांख्यिकीय, वसुन्धरा प्रकाशन
4. हीरालाल : प्रायोगिक भूगोल, किताब घर कानपुर
5. चौहान, पी. आर. : प्रयोगात्मक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर, 2009
6. सिंह, एल. आर. : प्रायोगिक भूगोल के सिद्धांत,
7. शर्मा, जे. पी. : प्रायोगिक भूगोल, रस्तोगी पब्लिकेशन्स, 2017
8. खुल्लर, डी. आर. : प्रयोगात्मक भूगोल, कल्याणी पब्लिशर्स, नई दिल्ली, 2015

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25.

Name and Signatures

Chairperson/H.O.D. 	Departmental members 
.....	1.....
Subject Expert (University Nominee) 	2.....
Subject Expert (College Nominee).....	3.....
Subject Expert (College Nominee) 	4.....
Industrial Area (Representative).....	5.....
Meritorious Alumni of Postgraduate. 	6.....
Professors of other department of the same Faculty 	

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. III Semester (Geography)
Session – 2024-25

Urbanization and Urban System (DSE) I

Learning Outcome:

After the completion of course, the students will have ability to:

1. Understand the fundamentals and patterns of urbanization process.
2. Learn the functional classification of cities and Central Place Theory.
3. Know contemporary problems of Delhi, Mumbai, Kolkata and Chennai.

Course Content:

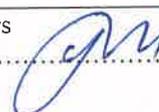
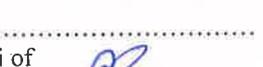
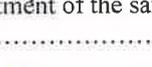
- Unit 1.** Meaning, Nature, Scope, Aims, Relationships and Methods of Approaches.
Basic concepts of Urban Geography.
- Unit 2.** Location, Site and Situation of Towns, Origin and Evolution of Towns, Factors affecting Origin and Evolution of Towns, Stages of Urban Growth, Development of Towns in the World.
- Unit 3.** Bases of Urban Classification, Methods of Functional Classification of Towns: Qualitative Methods, Semi Quantitative Methods- C.D. Harris, Quantitative Methods- Howard J. Nelson.
- Unit 4.** Meaning of Central place, historical background of central place theory, Central Place Theory of Christaller, Central Place System of Losch. Theories of Urban Internal Structure- Concentric Zone Theory, The Sector Theory, Multiple Nuclei Theory.
- Unit 5.** Urban Problems - Residential, Transport, Water, Electricity, Health and Medical, Education and Recreational, Pollution. Slum- Definition and Characteristics of Slums, Factors Responsible for the Development of Slums, Slums in the World, Bad Effects of Slums, Suggestions for the Improvement of Slums.

Suggested Readings

1. Carter, H., (1972): The study of Urban Geography, Edward Arnold, London.
2. Fyfe, N. R. and Kenny, J. T., (2005): The Urban Geography Reader, Routledge.
3. Graham, S. and Marvin, S., (2001): Splintering Urbanism: Networked Infrastructures, Technological Mobilities and the Urban Condition, Routledge.
4. Hall, T., (2006): Urban Geography, Taylor and Francis.
5. Kaplan, D. H., Wheeler, J. O. and Holloway, S. R., (2008): Urban Geography, John Wiley.
6. Knox, P. L., and McCarthy, L., (2005): Urbanization: An Introduction to Urban Geography, Pearson Prentice Hall New York.
7. Knox, P. L., and Pinch, S., (2006): Urban Social Geography: An Introduction, Prentice Hall.
8. Pacione, M., (2009): Urban Geography: A Global Perspective, Taylor and Francis.
9. Ramachandran, R., (1989): Urbanisation and Urban Systems of India, Oxford University Press, New Delhi

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25

Name and Signatures

Chairperson/H.O.D. 	Departmental members 
Subject Expert (University Nominee) 	1.....
Subject Expert (College Nominee) 	2.....
Subject Expert (College Nominee) 	3.....
Industrial Area (Representative) 	4.....
Meritorious Alumni of Postgraduate 	5.....
Professors of other department of the same Faculty 	6.....

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
SKILL Enhancement
Fundamentals of Remote sensing

Learning Outcomes:

After the completion of the course, the students will have the ability to:

1. Appreciate the development and uses of aerial and satellite remote sensing system and navigation satellite systems in India and other Nations.
2. Understand the basics of EMR and energy interaction in atmosphere and on earth surface features;
3. Analyse and interpret the aerial and satellite data products and GNSS/GPS survey results.

Course Content

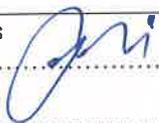
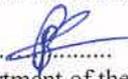
1. Basics of Remote Sensing: definition, history, and Processes, stages.
2. Interaction with earth surface features and atmosphere; Spectral Signature.
3. Aerial photos: Types and Characteristics;
4. Remote Sensing satellites: Platforms Types.
5. Remote Sensing Applications.

References:

1. Joseph, G. (2005) Fundamentals of Remote Sensing, Universities Press, Hyderabad.
2. Kumar, Dilip, Singh, R.B. and Kaur, Ranjeet (2019) Spatial Information Technology for Sustainable Development Goals, Springer, Basel.
3. Singh, R. B. and Murai, S., (1998) Space-informatics for Sustainable Development, Oxford and IBH Pub, New Delhi.

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25

Name and Signatures

Chairperson/H.O.D. 	Departmental members 
.....	1.....
Subject Expert (University Nominee)..... 	2.....
Subject Expert (College Nominee).....	3.....
Subject Expert (College Nominee)..... 	4.....
Industrial Area (Representative).....	5.....
Meritorious Alumni of Postgraduate..... 	6.....
Professors of other department of the same Faculty 	

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

B.A.IV Semester Geography

Session 2024-25

GEOGRAPHY OF INDIA AND CHHATTISGARH

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Know the changing human and cultural landscape at different levels.
2. Understand patterns and processes of population growth and its implications.
3. Appreciate the nature and quality of human landscapes.

GEOGRAPHY OF INDIA

Unit – I

GEOGRAPHY OF INDIA : Major Physical features : The Himalayan Mountains, The Northern Plains, Peninsular Plateau, Coastal Plains. Climate, Drainage.

Unit – II

Natural Vegetation : Types and their distribution, **Soils :** Types and their distribution. **Mineral resources–** Iron, Bauxite. **Power resources –** Coal & Petroleum

Unit – III

Major crops: Rice, Wheat, **Agricultural regions of India.** Green revolution of India, **Industries in India: –** Iron & Steel, Cotton Textiles.
Population of India : Growth, distribution and Density

GEOGRAPHY OF CHHATTISGARH

Unit – IV GEOGRAPHY OF CHHATTISGARH

Geological Structure, Major Physical feature, Climate, Soils, Natural Vegetation
Drainage. Mineral and power : coal , Iron, limestone.

Unit – V

industries in Chattisgarh – Iron & Steel, Cement.

Major crops: Rice.

Population of Chhattisgarh : Growth, distribution and Density.

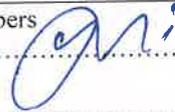
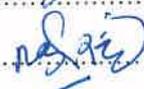
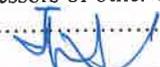
Major tribes : Baiga, gond.

Suggested Reading

1. Deshpande, C.D. ; India – A Regional Interpretation, ICSSR Northern Book Centre, New Delhi.
2. Singh, Jagdish ; India Gyanodaya, Gorakhpur.
3. Singh, R.L. , ed India – A Regional Geography. National Geographical Society of India. Varanasi 1971.
4. Singh R.L. (ed) ; India A – Regional Geography, National Geographical Society, India VARANASHI, 1971.
5. Tirtha R. & Gopal Krishna, Emerging India Reprinted by Rawat, Publication Jaipur.
6. बंसल सुो ँचंद , भारत का भूगोल ,मिनाश्री प्रका ँन मेरू
7. वर्मा ,रामविलास , भारत : एक भौगोलिक विवेचन
8. Chhattisgarh geography Dr. L.N Verma
9. Chhattisgarh geography Dr. KIRAN GAJPAL VAIBHAV PRAKASHAN

The syllabus for B.A.IV GEOGRAPHY is hereby approved for the sessions 2024-25.

Name and Signatures

Chairperson/H.O.D. 	Departmental members 
Subject Expert (University Nominee)..... 	1.....
Subject Expert (College Nominee).....	2.....
Subject Expert (College Nominee)..... 	3.....
Industrial Area (Representative).....	4.....
Meritorious Alumni of Postgraduate..... 	5.....
Professors of other department of the same Faculty 	6.....

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. IV Semester (Geography)
Session – 2024-25

Cartography & Map Interpretation (GEC & DSC)

Learning Outcome:

After the completion of course, the students will have ability to:

1. Read and prepare maps.
2. Comprehend locational and spatial aspects of the earth surface.
3. Use and importance of maps for regional development and decision making.

Course Content:

MAP INTERPRETATION

Thematic Maps : Choropleth, Isopleth, Dot maps.

Weather Map : Interpretation of weather maps and Use of metrological instrument.

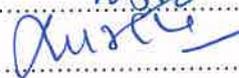
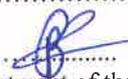
Topographical Sheet : Study and interpretation of Indian Topographical sheet - Classification and numbering system, interpretation of Indian Topographical sheet with respect to Cultural and Physical features.

Books Recommended:

1. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
2. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi,.
3. श्रीवास्तव, बी.के. : भूगोल में सांख्यिकीय ,वसुन्धरा प्रकाशन
4. हीरालाल : प्रायोगिक भूगोल, किताब घर कानपुर
5. चौहान, पी.आर. : प्रयोगात्मक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर, 2009
6. सिंह, एल. आर. : प्रायोगिक भूगोल के सिद्धांत,
7. शर्मा, जे. पी. : प्रायोगिक भूगोल, रस्तोगी पब्लिकेशन्स, 2017
8. खुल्लर, डी. आर. : प्रयोगात्मक भूगोल, कल्याणी पब्लिशर्स, नई दिल्ली, 2015

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25.

Name and Signatures

Chairperson/H.O.D. 	Departmental members 
Subject Expert (University Nominee) 	1.....
Subject Expert (College Nominee) 	2.....
Subject Expert (College Nominee).....	3.....
Industrial Area (Representative).....	4.....
Meritorious Alumni of Postgraduate 	5.....
Professors of other department of the same Faculty 	6.....

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. IV Semester (Geography)

Session – 2024-25

Demography and Population Studies (DSE) II

Learning Outcome:

After the completion of course, the students will have ability to:

1. Learn the role of demography and population studies as a distinct fields of human geography
2. Have sound knowledge of key concept, different components of population along with its drivers
3. Examine population dynamics and characteristic with contemporary issues

Course Contents:

Unit I.

Population Geography: Meaning, definition, scope and objectives.

Population data: Methods and Sources of Collection of Population data.

Census: Report, Meaning, characteristics, limitation and problems.

Unit II.

Population Distribution of the world and their determinants. Population Density and growth–World pattern and their determinants. Theories of Growth – Malthusian Theory and Demographic Transition Theory.

Unit III.

Population Dynamics: Fertility, Mortality (Meaning and Determinants)

Migration – Meaning & Definition, Types of Migration: According to Duration & Areas

Unit IV.

Population Composition and Characteristics – Age-Sex Composition (Meaning and Determinants), Patterns of Age Structure in the World and India. Literacy(Meaning and Determinants), Method of measurement of Literacy. Occupational structure of world Population.

Unit V.

Contemporary Issues – Ageing of Population; Declining Sex Ratio

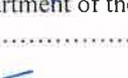
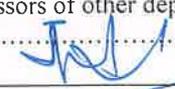
Population Policy - Meaning, need, aims, main aspects. Population policies in developed and Less developed Countries. India's population policies.

Suggested Readings

1. Barrett, H. R., (1995): Population Geography, Oliver and Boyd.
2. Bhende, A. and Kanitkar, T., (2000): Principles of Population Studies, Himalaya Publishing House.
3. Chandna, R. C. and Sidhu, M. S., (1980): An Introduction to Population Geography, Kalyani Publishers.
4. Chandna, R C (2006): JansankhyaBhugol, Kalyani Publishers, Delhi
5. Chandna,R.C., Geography of Population, Kalyani Publishers, Ludhiana.
6. Clarke, J. I., (1965): Population Geography, Pergamon Press, Oxford.
7. Debjani, Roy., Population Geography, Books and Allied Private Limited, Kolkata. UGC DOCUMENT ON LOCF GEOGRAPHY 61
8. लाल, हीरा : जनसंख्या भूगोल, वसुन्धरा प्रकाशन ,गोरखपुर उ.प्र., 1996
9. चौदना, आर सी : जनसंख्या भूगोल, आर.के. बुक्स, नई दिल्ली, 2009
10. ओझा, रघुनाथ : जनसंख्या भूगोल, प्रतिभा प्रकाशन कानपुर, 1912
11. पण्डा, बी.पी. : जनसंख्या भूगोल, म.प्र., हिन्दी ग्रंथ अकादमी, भोपाल, 1992

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● **Skill Enhancement :**

Thematic Atlas

Learning Outcomes:

After the completion of course, the students will have ability to:-

1. Have sound knowledge regarding the classification and elements of maps.
2. Have proper utilization of maps for the development.
3. Appreciate the preparation of various thematic maps with the application of various techniques.

Course Content:

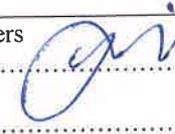
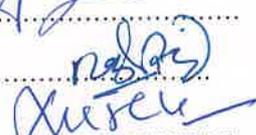
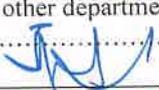
1. Maps – Meaning, Definition, Concepts, Classification.
2. Types of Diagrammatic – Line, Bar (simple And compound) and Pie Diagram.
3. Thematic Mapping Techniques – Choropleth, Dot, Isopleths.
4. Representation of Statistical Data – Climograph, Hythergraph.

References:

1. Singh, R. L, and Dutta, P. K., (2012): Prayogatama Bhugol, Central Book Depot, Allahabad
2. Cuff, J. D. and Mattson, M. T., (1982): Thematic Maps: Their Design and Production, Methuen Young Books
3. Dent, B. D., Torguson, J. S., and Holder, T. W., (2008): Cartography: Thematic Map Design (6th Edition), McGraw Hill Higher Education
4. Gupta, K.
K. and Tyagi, V. C., (1992): Working with Maps, Survey of India, DST, New Delhi.
5. Kraak, M.J. and Ormeling, F., (2003): Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
6. Mishra, R. P. and Ramesh, A., (1989): Fundamentals of Cartography, Concept, New Delhi.

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

B.A. V Semester Geography

Session 2024-25

Economic and Resource Geography(Core and Gec)

Learning Outcome:

After the completion of the course, the students will have the ability to:

1. Appreciate the basic concepts and approaches of economic geography;
2. Examine the significance and relevance of theories in relation to the location of different economic activities;
3. Distinguish different types of human activities and their inter and intra relationships

Course Contents:

Unit I

Meaning, definition & Scope of Economic geography .

Main Concepts of Economic Geography : 1. The concept of Economic landscape ,
2. Economic Landscape is dynamic, 3. Concept of location of Economic activities ,
4. Existing Economic landscape reflects the resource structure, Economic processes and the stage of Economic development.

Resource : Concept and Classification . Natural Resources : Soil and forest (Types & Distribution)

Unit II

Mineral and Power Resources: Iron ore, Bauxite, Coal, Petroleum, Hydro Electricity.

Resource Conservation. Major Industries : Iron & Steel , Cotton textile.

Unit III

Industrial regions of the world. Theory of Industrial location (Weber).

Major Crops : Wheat, Rice, Sugarcane & Tea. Agriculture region of the world according to D. Whittlesey, Theory of agricultural location (Von Thunen)

Unit IV

World Transportation: Major Trans-continental railway. Sea & Air routes.
International Trade: Factors affecting trade. objectives & Functions of WTO.
Major Trade Blocks: EEC, LAFTA, ASEAN.

Unit V

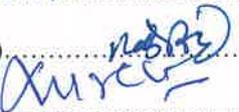
Globalization and India. Conservation & management of Natural resources : Soil, Water & Forest. Sustainability of resource . Resource management & Conservation : perception & choice, Nature & Human centered view of resource managing approaches to resource management

Suggested Reading

1. Barry, J.L.: Geography of Market Centers and Retail Distribution, Prentice Hall, New York, 1967.
2. Chhatarjee, S.P. : Economic Geography of Asia, Allied Book Agency, Calcutta- 1984.
3. Chorley, R.J. and Haggett. P (Ed) Network Analysis in geography: Arnold, 1969.
4. Rebertsop, D. (ed.) : Globalization ondb Enviroment, e. elgarCo. U.K. 2001.
5. Singh J. and Dhillon. S.S. : Agriculture Geography, McGraw Hill, India, New Delhi 1984.
6. Symons, h. : Agricultural Geography : Bell and sons, London, 1972.
7. Wheeler, J.O.et. al. : Economic Geography : John Willy, New York,1995.
8. गौतम, अलका : आर्थिक भूगोल के मूल तत्व, शारदा पुस्तक भवन, इलाहाबाद
9. राव, बी.पी. : संसाधन और पर्यावरण, वसुन्धरा प्रकाशन गोरखपुर, 2010

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions
2024-25

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.....	1..... 
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Subject Expert (College Nominee)..... 	3.....
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Industrial Area (Representative).....	5.....
Meritorious Alumni of Postgraduate..... 	6.....
Professors of other department of the same Faculty 	

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. V Semester (Geography)
Session – 2024-25
Projection & Survey (Practical) (GEC & DSC)

Learning Outcome:

After the completion of course, the students will have ability to:

1. Read and prepare maps.
2. Comprehend locational and spatial aspects of the earth surface.
3. Use and importance of maps for regional development and decision making.

Course Content:

Map Projections : Conical (One standard parallel, Two standard parallels, Polyconic & Bonne's Projection), Cylindrical (Equidistant, equal-area, Mercator's & Gall's stereographic projection), Zenithal (Gnomonic, Stereographic & Orthographic projection).

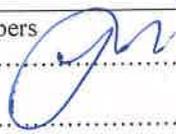
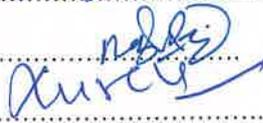
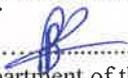
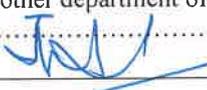
Survey : Dumpy level survey.

Books Recommended:

1. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.
2. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi,.
3. श्रीवास्तव, बी.के. : भूगोल में सांख्यिकीय वसुन्धरा प्रकाशन
4. हीरालाल : प्रायोगिक भूगोल, किताब घर कानपुर
5. चौहान, पी. आर. : प्रयोगात्मक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर, 2009
6. सिंह, एल. आर. : प्रायोगिक भूगोल के सिद्धांत,
7. शर्मा, जे. पी. : प्रायोगिक भूगोल, रस्तोगी पब्लिकेशन्स, 2017
8. खुल्लर, डी. आर. : प्रयोगात्मक भूगोल, कल्याणी पब्लिशर्स, नई दिल्ली, 2015

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GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. V Semester (Geography)
Session – 2024-25

Agriculture and Food Security (DSE) III

Learning Outcome:

After the completion of course, the students will have ability to:

1. Conceptualize the agriculture and its determinants.
2. Get the overview of Indian and World agriculture regions and systems.
3. Have sound knowledge of agriculture revolutions and food security

Course Content:

Unit 1. Nature and scope of Agriculture Geography. Concept of Land use: Economic, Land use Capability, Maximum and Optimum, Comparative profit, Regional balance, Distance concept, Behavioural, Perception and Image of land utilization. Determinates factors of agricultural Land Use. Land Use classification of India.

Unit 2. Determinants of Agriculture: Physical: Relief, Climate, Soil. Technological: Land Reform and Security, Mechanization, Crop improvement, Irrigation, Improvement of animal breeds, Distribution of farm investors and agricultural production. Institutional: Land ownership system, Size of Holdings, Sub-division and Fragmentation of Holdings, Characteristics of Farm Family.

Unit 3. Agricultural Regions: Concept and Definition. Methods of Agricultural regionalization(statistical techniques) : Weavers and Doi method. Agricultural Regions of India: Agro-climatic, Crop Combination Regions.

Unit 4. Agricultural Systems of the World (Whittlesey's classification) and Agricultural Land use model (Von Thunen, modification and relevance). Characteristics and problems of Indian Agriculture.

Unit 5. Food Security: Concept, approaches, pattern, Indian revolution: Green Revolution, White Revolution, Blue, Yellow & Rainbow Revolution. National Agriculture policy.

Suggested Readings

1. Gregor, H.P. : Geography of Agriculture. Prentice Hall, New York, 1970.
2. Grigg, D.B. : The Agricultural Systems of the world, Cambridge University Press, New York 1974.
3. Morgan W.B. AND Norton, R.J.C. : Agricultural Geography, Mathuen, London, 1971.
4. Mogra, W.B. : Agriculture in the Third World – A Spatial Analysis. Westview Press, Boulder, 1978.
5. Singh, J. and Dhillon, S.S. : Agricultural Geography, Tata Mcgraw Hill Pub.; New Delhi, 1988.
6. कुमार ,प्रमीला : कृषि भूगोल ,मध्य प्रदेश हिन्दी ग्रंथ अकादमी भोपाल ,2008
7. हुसैन ,माजिद : कृषि भूगोल ,रावत पब्लिकेशन जयपुर
8. बधेल ,अनुसुया : कृषि भूगोल ,होरीजन बुक्स नई दिल्ली ,2015
9. गौतम, अल्का : कृषि भूगोल, शारदा पुस्तक भवन, इलाहाबाद, 2009
10. तिवारी, आर. सी. एव बी. एन : कृषि भूगोल, प्रवालिका पब्लिकेशन्स, इलाहाबाद, 2021

The syllabus for B.A. GEOGRAPHY is hereby approved for the sessions 2024-25

Name and Signatures

Chairperson/H.O.D. 	Departmental members 
Subject Expert (University Nominee) 	1.....
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Meritorious Alumni of Postgraduate.....	5.....
Professors of other department of the same Faculty 	6.....

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

B.A. V Semester Geography (DSE) IV

Session 2024-25

Evolution of Geographical Thought

Learning Outcome:

After the completion of course, the students will have ability to:

1. Distinguish the paradigms in geography discipline through time
2. Understand the geographical thinking in different regions of world
3. Appreciate the past and future trends of world geography in general and Indian geography in particular

Course Content:

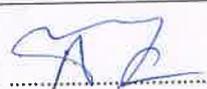
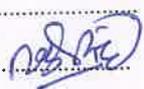
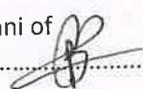
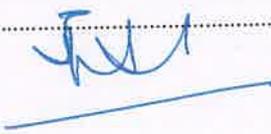
- Unit – 1** Meaning, Nature and Scope of geography, Branches and Sub-branches of Geography, Relationship of Geography with other sciences, Fundamental concept of geography : concept of the earth surface, concept of location, sites and situation, Man environment Relationship.
- Unit-2** Historical development: contribution of different scholars during ancient Greek & Roman : Herodotus, Eratosthenes, Strabo, Ptolemy. Seven Divipas of the Earth in Purans.
- Unit – 3** German school : A.V Humboldt, Carl Ritter, Friedrich Ratzel
French school : Vidal-de-la-Blache, Jean Brunhes
British school : H.J. Mackinder
American school : W.M. Dawis, G. Taylor.
- Unit-4** Determinism, Possibilism, Neo Determinism, Dualism in geography : Physical Geography versus Human geography, Systematic geography versus Regional geography.
- Unit – 5** Quantitative revolution, Positivism, Behaviouralism, System Approach, Radicalism, Development of Geography in modern India.

Suggested Reading

1. Dikshit, R.D. (ed.) : The Art & Science of Geography Integrated Readings ,prentice Hall of India, New Delhi, 1994.
2. Hartshome, R. : perspectives on Nature of Geography, Rand MoNaLLy & Co. 1959.
3. Husain, M. : Evolution of Geographic Thout, Rawat Pub, Jaipur, 1984.
4. Johnston, R.J. : The Future of Geography, Methuen, London, 1988.
5. Minshull, R. 5:The Changing Nature og Geography, Hutchinson University Library London, 1970.
- 6 सिंह, जगदीश : भौगोलिक चिंतन का क्रम विकास, आर. के. बुक्स, नई दिल्ली, 2010
- 7 हुसैन माजिद : भौगोलिक चिंतन का इतिहास, रावत पब्लिकेशन, नई दिल्ली, 2004
- 8 श्रीवास्तव, वी. के. : भौगोलिक चिन्तन के आधार, आर. के. बुक्स, नई दिल्ली

The syllabus for B.A. V GEOGRAPHY is hereby approved for the sessions 2024-25

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Name and Signatures		Departmental members	
Chairperson/H.O.D.		1.....	
Subject Expert (University Nominee).....		2.....	
Subject Expert (College Nominee).....		3.....	
Subject Expert (College Nominee).....		4.....	
Industrial Area (Representative).....		5.....	
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Professors of other department of the same Faculty			

B.A. VI Semester Geography
Session 2024-25
REMOTE SENSING AND G.I.S (Core and Gec)

Learning Outcomes:

After the completion of course, the students will have ability to:

1. Appreciate the strength and application of remote sensing
2. Map the resources, their location and availability
3. Apply this knowledge for sustainable developmen

Unit – I

Meaning and Basic definition, History and scope Concept of Remote Sensing. process of Remote Sensing, Stages of Remote Sensing, Electromagnetic Spectrum, Interaction with earth surface features an atmosphere, Spectral signature,

Unit – II

Types and characteristics of Remote Sensing Platforms: Ground Based, Air Based and Space Based platform. Sensor: Active and Passive, types of resolution, Remote Sensing Programme of India,

Unit – III

Digital image Processing: type of image, Categorization image processing, Digital image Classification, Fundamentals of Aerial Photography: classification Aerial Photography, Fundamentals of Air Photo Interpretation,

Unit – IV

Geographical Information system: Meaning, objective and Concept of GIS, Objective, history of GIS, components of GIS, Function of GIS, Application of GIS, Segments of GPS

Unit – V

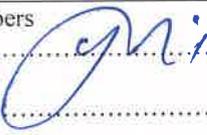
Data Model and data Structure: Function of data model, types of models, Spatial Data Models for GIS: Raster and Vector model, Data Inputting Method, Spatial Data Editing.

Suggested Readings

1. American Society of Photogrammetry : Manual Remote Sensing ASP Falls Church V.A. 1983.
2. Barrett E.C. and L.P. Curtis : Fundamentals of Remote Sensing and Air Photo Interpretation on. Mc MILLAN. New York.1992.
3. Curran. Paul J. : Principles of Remote Sensing : Longman, London. 1985.
4. Luder D. : Aerial Photography Interpretation : Pinciples and Application. C.C.Graw Hill, New York, 1978.
5. Rao D.P. (eds) : Remote Sensing For Earth RESOURCES, Association of Exploration Geography, Hyderabad,1998.
6. चौनियाल, देवी दत्त : सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली, शारदा पुस्तक भवन हलाहाबाद, 2009
7. खत्री हरीश कुमार : सुदूर संवेदन तकनीक, कैलाश पुस्तक सदन, भोपाल 2022

The syllabus for B.A.VI GEOGRAPHY is hereby approved for the sessions 2024-25.

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GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. VI Semester (Geography)
Session – 2024-25

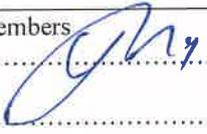
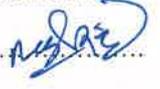
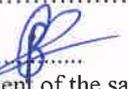
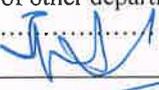
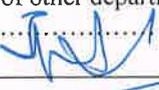
Practical Geography - (Gec & Dsc)

- 1. Satellite Imageries: Describing the Marginal Information, Image Interpretation: Visual Methods – Land Use/ Land Cover Mapping. Use and Application of GIS.**
- 2. Graphical Representation: Band Graph, Climograph, Hyther Graph, Square Root and Cube Root Diagram.**
- 3. Field Work and Field Report: Social and Economic Survey of a Micro region.**

Suggested Readings

1. Greogory, S. Statistical Methods and the Geographers, Longman, London, 1978.
2. Hammond R. and P.S. Mc Cullah ; Quantitive Techniques in Geography : An Introduction . Clarendanpress, Oxfrod, 1974.
3. हीरालाल : प्रायोगिक भूगोल, किताब धर कानपुर
4. चौहान, पी.आर. : प्रयोगात्मक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर, 2009
5. Khullar D.R. : Practical Geography, Kalyani Publishers, 2015
6. Sharma J.P. : Practical Geography, Rastogi Publications.

The syllabus for B. A. VI GEOGRAPHY is hereby approved for the sessions 2024-25.
Name and Signatures

Chairperson/H.O.D. 	Departmental members 
Subject Expert (University Nominee) 	1.....
Subject Expert (College Nominee) 	2.....
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Industrial Area (Representative) 	4.....
Meritorious Alumni of Postgraduate 	5.....
Professors of other department of the same Faculty 	6.....

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. VI Semester (Geography)
Session – 2024-25

Geography of Social Wellbeing (DSE) V

Learning Outcome:

After the completion of course, the students will have ability to:

1. Understand the nature, scope and relationships of geography and human wellbeing;
2. Acquire knowledge on spatial dimensions of social diversity components;
3. Appreciate the social welfare programs related to inclusive and exclusive policies in India.

Course Contents:

UNIT I Meaning, definition and scope of Social Geography and its Nature and relationship with other Social sciences. Theories related to the origin of Society

UNIT II Social Diversity : Caste: Meaning, Characteristics of Caste System, Social Class: Definition, Bases of class Determination, Difference between caste and class. Religion: Characteristics, Classification of Religions. Race : Meaning, Physical Traits of Human Races. Migration Zone Theory.

UNIT III Social Wellbeing: Meaning and Indicators. Human Development: development and growth , approaches, measurement and four pillars of human development.

UNIT IV Social stratification, processes, interaction. Social organization and groups. Society and environment quality of social environment Geographies of Inclusion and Exclusion, Slums, Gated Communities, Communal Conflicts and Crime.

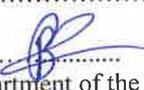
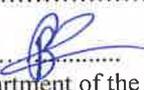
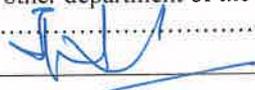
UNIT V Social change in India : factor of Social change , processes of Social change in India . Social development planning– meaning and importance. Public policy and social planning in India : Review of Five year Plans strategies to improve Social well being.

Suggested Readings

1. Ahmad Aijazuddin, Social Geography, Rawat Publication. New Delhi, 1999.
2. Dreze Jean, Amariya Sen. Economic Development and Social opportunity. Oxford University Press. New Delhi. 1996.
3. Dubey. S.C : Indian Society. National Book Trust, New Delhi. 1991.
4. Haq. Mahbubul : Relections on Human Development. Oxford University press, Ely House, London. 1977.
5. मौर्य, एस.डी. : सामाजिक भूगोल, शारदा पुस्तक भवन, 11, युनिवर्सिटी रोड, 2004
6. आहूजा, राम : भारतीय समाज, आर. के. बुक्स, नई दिल्ली, 2004
7. शर्मा, के.एल. : सामाजिक स्तरीकरण, रावत पब्लिकेशन, जयपुर, 2011

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Name and Signatures

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Chairperson/H.O.D. 	Departmental members
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Professors of other department of the same Faculty 	6.

GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG
B.A. VI Semester Geography (DSE) VI
Session – 2024-25

RESOURCES AND ENVIRONMENT

Learning Outcome:

After the completion of course, the students will have ability to:

1. Understand the dynamic interactive relationship between man and environment.
2. Have sound understanding on distribution, utilization and proper management of natural resources at global level.
3. Make assessment and review of planning and policies related to environment and natural resources.

Course Content:

- Unit 1.** Meaning, nature and components of resources and environment. Classification of resources; renewable and nonrenewable: biotic (forests, wild-life, live-stock, fisheries, agricultural crops) and abiotic (land, water, mineral).
- Unit 2.** Distribution and utilization of water; minerals and energy resources, their economic and environmental significance and conservation. Types and distribution of forests, fauna and fisheries, their economic and environmental significance and conservation. Major soil types and their distribution; problems of soil erosion and soil conservation.
- Unit 3.** Number, density, growth and distribution of population; population pressure and resource utilization. Population resource region.
- Unit 4.** Classification of environment: Natural and Human. Man-environment interrelation with respect to population size, types of economy and technology; exploitations of natural resources and environmental hazards.
- Unit 5.** Emerging environmental issues-population explosion; food security; deforestation; global warming, conservation of bio-diversity; sustainable development.

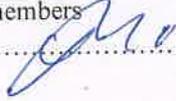
Suggested Readings :

1. Hooja, r. & Joshi, R. : Desert, Drought and Development, studies in Resource Management and Sustainability ; Rawat Publication. Jaipur, 1994.
2. Howard, M.C. (ed.), Asia's Environmental Crisis, West view Press, Prouldar, 1993.

3. Kates, R.W.& Burton, 1 (eds) : Geography, Resources and Environment, Vol. I & II University of Chicago Press, Chicago, 1986.
4. Mc Laren, D.J. and Skinnet B.J. (eds) : Resources and world Develqament, John Willy & Sons, New York, 1986.
5. Simmons, L.G. Air & Water ; Resources and Environment in Late 20th CenturyEdward Arnold, New York,1991.
6. Chandna, R. C., (2002): Environmental Geography, Kalyani, Ludhiana.
7. Cunningham, W. P. and Cunningham, M. A., (2004): Principals of EnvironmentalScience: Inquiry andApplications, Tata Macgraw Hill, New Delhi.
8. Goudie, A., (2001): The Nature of the Environment, Blackwell, Oxford.
9. Jones, G. and Hollier, G., (1997): Resources, Society and Environmental Management, Paul Chapman, London.
10. Kumaraswamy, K., Alagappa Moses., A & Vasanthy, M. (2004) Environmental Studies, Bharathidasan University, Tiruchirappalli.
11. ऋतुरानी, लोकेश श्रीवास्तव : संसाधन प्रबंध, विश्वविद्यालय प्रकाशन दिल्ली ,2007
12. सिंह, काशीनाथ एवं अन्य : आर्थिक भूगोल के मूल तत्व , वसुन्धरा प्रकाशन गोरखपुर उ.प्र

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Chairperson/H.O.D. 	Departmental members
.....	1. 
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Subject Expert (College Nominee).....	3.
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..... 

B.A. VI Semester (Geography)
Skill Enhancement :
Regional Planning and Sustainable Development

Learning Outcomes:

After the completion of the course, the students will have the ability to:

1. Appreciate the basics of regional planning methodology and the need for adopting newer models in the planning process;
2. Understand the history of adopting various planning strategies for balanced national development;
3. Capable of diagnosing the regional issues and the necessity to adopt suitable SDGs in India.

Course Content:

1. Regional Planning: Definition and Scope. Concepts and Delineation, concept of regions.
2. Models for Regional Planning: Growth Pole Theory; Core Periphery Model and Central place Theory of Christaller.
3. Planning for special problem Region: Tribal area and Drought prone areas. (Bastar plateau, C.G.), Command areas and River basins.
4. Regional Planning and Development in India.

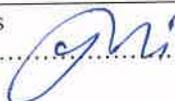
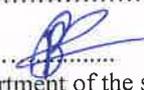
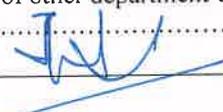
References:

1. Bajaj, Amrita and Ajay Kumar, (2018): Geography of Development: Indian Perspectives, Indian Pub. House, Jaipur.
2. Blij H. J. De, (1971): Geography: Regions and Concepts, John Wiley and Sons, New Jersey.
3. Claval, P.I, (1998): An Introduction to Regional Geography, Blackwell Publishers, Oxford.
4. Friedmann, J. and Alonso W. (1975): Regional Policy - Readings in Theory and Applications, MIT Press, Massachusetts.

5. Gore, C. G., (1984): Regions in Question: Space, Development Theory and Regional Policy, UGC DOCUMENT ON LOCF GEOGRAPHY 106 Methuen, London.
6. Gore, C. G., Köhler G., Reich U-P. and Ziesemer T., (1996): Questioning Development; Essays on the Theory, Policies and Practice of Development Intervention, Metropolis- Verlag, Marburg.
7. Haynes, J., (2008): Development Studies, Polity Short Introduction Series, John Wiley and Sons, New Jersey.
8. Johnson, E. A. J., (1970): The Organization of Space in Developing Countries, MIT Press, Massachusetts.
9. Peet, R., (1999): Theories of Development, The Guilford Press, New York.
10. Singh, R.B. (Ed.) (2015) Urban Development Challenges, Risks and Resilience in Asian Mega Cities, Springer, Tokyo.
11. UNDP (2001-04): Human Development Report, Oxford University Press, Oxford. 12. World Bank (2001-05): World Development Report, Oxford University Press, Oxfor

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