DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM & MARKING SCHEME

B.A. I, II, III, IV Semester
GEOGRAPHY

(Based on Choice Based Credit System)

SESSION : 2025-26

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

FOUR YEAR UNDERGRADUATE PROGRAM (NEP- 2020)

PROGRAM: BACHELOR IN ARTS (2024- 28)

DISCIPLINE- GEOGRAPHY

SESSION-2024-25

DSC-01 to 08	
Course Code	Course Title
GOSC-01T	Fundamental of Physical Geography
GOSC-01P	Cartography-Tools and Techniques
GOSC-02T	Fundamental of Human Geography
GOSC-02P	Scale and Representation of Relief
GOSC-03T	Economic Geography
GOSC-03P	Map Projection
GOSC-04T	Geography Of India
GOSC-04P	Representation of Statistical Data
GOSC-05T	Geography of Chhattisgarh
GOSC-05P	Distribution of Maps and 3-Dimensional Diagram
GOSC-06T	History of Geographical Thought
GOSC-06P	Study and Interpretation of Topographical Maps
GOSC-07T	Geomorphology
GOSC-07P	Field Survey- Chain &Tape, Prismatic Compass and Plane Table Survey
GOSC-08T	Regional Planning and Development
GOSC-08P	Morphometric Analysis

DSE- 01 to 12	
Course Code	Course Title
GOSE-01T	Climatology and Oceanography
GOSE-01P	Study of Indian Weather Maps
GOSE-02T	Soil and Bio- Geography
GOSE-02P	Study of Geological Maps
GOSE-03T	Disaster Management
GOSE-03P	Statistical Methods
GOSE-04T	Industrial Geography
GOSE-04P	Aerial Photograph
GOSE-05T	Rural Settlement Geography
GOSE-05P	Principal of GIS
GOSE-06T	Urban Geography
GOSE-06P	Fundamental of Remote Sensing
GOSE-07T	Political Geography
GOSE-07P	Computer Cartography in Geography
GOSE-08T	Sustainable Development
GOSE-08P	Instrumental Survey- Dumpy level
GOSE-09T	Rural Development in India
GOSE-09P	Cartographical Analysis of Geographical Patterns And System
GOSE- 10T	Geography of Tourism
GOSE-10P	Field Work-Tour And Tour Report
GOSE- 11T	Tribal Development in India
GOSE-11P	Project Report on Socio-Economic Survey
GOSE- 12T	Agriculture and Food security
GOSE-12P	Field Study and Research Report

GE – 01 & 02	
GOGE-01T	Fundamental of Physical Geography
GOGE-01P	Cartography-Tools and Techniques
GOGE-02T	Fundamental of Human Geography
GOGE-02P	Scale and Representation of Relief

VAC	
GOVAC-01	Geographical Knowledge in Ancient India

SEC	
GOSEC- 01	Principle of Map Making

Signature of Convener Members of CBoS :

1. Dr. B. L. Sao
2. BR. K. Thakur
3. M. S. SAHU
4. Dr C. P. NAND
5. Dr D D Kashyap
6. Dr. (Km) J. P. Kurre
7. A. Beck
8. Dr Seema Mishra
9. GR (Smt GRACE KUJUR)
10. Dr. S. Yadav
11. Dr. S. Shukla
12.
13. Dr Sophia Ambrela
14. Prof. (Mrs) Uma Gole

15/06/24

V. Yadav

22.4.25

23

23.4.25

Dr Anil Mishra

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. 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.K. Sri
2. Dr. B.K. Thoke
3. M.S. SAHU
4. Dr. C.P. NAND
5. Dr. D.D. Kashyap
6. Dr. (Mrs.) J.P. Kujur
7. A. BEKK
8. Dr. Seema Mishra
9. Smt. GRACE KUJUR
10. Dr. Sushma Tirkey
11. Dr. S. Sriram
12. Dr. Sophia Ambrose
13. Dr. Sophia Ambrose

23.4.25

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.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:

(1) Dr. B. L. Sao
(2) Dr. A. K. Thakur
(3) M. S. Sahu
(4) Dr. C. P. Nand
(5) Dr. D. D. Kashyap
(6) Dr. J. P. Kujur
(7) A. Beck
9. Grace Kujur
10. Dr. S. Yadav
13. Dr. Sophia Ambrela
23.4.25
V. Yadu

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)	*At the end of this practical course the student will have an ability to* *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 :

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** 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
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**

23.4.25

V. Yadav

Signature of Convener, Members of CBoS :

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. L. Sahu
2. Dr. B. K. Mukherjee
3. Dr. S. Sahu
4. Dr. Dip. Nandi
5.
6.
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10. Dr. S. Yadav
11.
12.
13. Dr. Sapna Pandeya

23.11.25

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.drishtiias.com/hindi/images/pdf/NCERT-Hindi-Class-12-Geography-Part-1.pdf
- http://assets.vmou.ac.in/GE05.pdf-Human Geography
- https://open.umn.edu/opentextbooks/textbooks/870

OnlincResources–(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 :

1. Dr. B. L. Sen
2. [illegible]
3. [illegible]
4. [illegible]
5. [illegible]
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]

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	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. L. Sini

Dr. B H Thakur

M. S. Sahu

Dr C. P. Nandi

Dr. Dr S Yadav

Dr. Sophie Ambrela

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books-

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

E books-

1- https://www.slideshare.net/NisarKhand/instrumental-surveying-practical-plane-table-survey
2- https://bbsbec.edu.in/wp-content/uploads/2020/01/com.pdf
3- https://surveyofindia.gov.in/documents/soichapter-v.pdf

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
End Semester Exam (ESE):	**Laboratory / Field Skill Performance: On spot Assessment** **A. Performed the Task based on lab. work - 20 Marks** **B. Spotting based on tools & technology (written) – 10 Marks** **C. Viva-voce (based on principle/technology) - 05 Marks**	**Managed by Course teacher as per lab. status**

Signature of Convener, Members of CBoS :

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM

PART-A: Introduction				
Program: Bachelor in Arts *(Diploma / Degree / Honors)*			Semester - III	Session: 2024-2025
1	Course Code	GOSC – 03 T		
2	Course Title	ECONOMIC GEOGRAPHY		
3	Course Type	DSC		
4	Pre-requisite (if, any)	*As per program*		
5	Course Learning. Outcomes(CLO)	At the end of this course the student will be able to 1. Understand about the nature and scope of Economic Geography. 2. Understand the concept and classification of resources natural and minerals. 3. Identify the major Crops their production and distribution. 4. Understand the fundamentals of major economic theories, 5. Understand the economic activities-primary secondary and tertiary 6. Understand the basic theories of Agriculture and Industrial location		
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	Concepts of economic Geography Meaning scope and major concept of economic Geography, Resources meaning classification – renewable and non-renewable and their conservation.	12
II	Mineral resources: Iron ore and Bauxite, Power resource- Coal, Petroleum & Hydro-electricity Principal Crops- Rice Wheat, Sugar cane, Tea, Coffee, Cotton	11
III	Major Industries: Mineral based-Iron and Steel Industry, Cement Industry, Forest based- Paper Industries Agro based- Cotton Textile Industries,	11
IV	Theory of Agriculture location –Von Theunen, Agriculture regions of the world- D. Whittlesey Theory of Industrial location- Weber	11
Keywords	*Resources:*	

23.4.25

V. Yadu

Signature of Convener, Members of CBoS :

Dr. B. L. Sahu

Dr. R. K. Mahapatra

M. S. SAHU

Dr. C. D. OSAHD

10 Dr S. Tudu

11

12

13 Dr. Sophia Ambedo

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Alexander,J.W.(1988):EconomicGeography,Prentice-Hall,NewDelhi,.
2. Bryson,J.,Henry,N.,Keeble,D.andMartin,R.(eds.)(1999):TheEconomicGeography Reader: Producing and Consuming Global Capitalism.JohnWileyandSons,Inc,NewYork.
3. Clark,G.L.,Gertler,M.S.andFeldman, M.P.(eds.)(2000):TheOxford HandbookofEconomicGeography.OxfordUniversityPress,USA.
4. Coe,N.(2007):EconomicGeography:AContemporaryIntroduction.Blackwell Publishers,Inc.,Massachusetts.
5. Gautam,A.(2006):*AarthikBhugo/KeMoo/Tattava*,ShardaPustakBhawan,Allahabad.

Online Resources–

e-Resources / e-books and e-learning portals

- https://epustakalay.com/book/55674-economic-geography-by-shankar-sahay-saxena/
- https://sahityabhawanpublications.com/product/economic-geography-hindi-book/
- https://himanshupublications.com/product/economic-resource-geography-hindi/
- https://books.google.co.in/books/about/Economic_Geography_%E0%A4%86%E0%A4%B0%E0%A5%8D%E0%A4%A5%E0%A4%BF%E0%A4%95.html?id=ElHnEAAAQBAJ&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.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**	

23.4.25

V. Yadu

Signature of Convener, Members of CBoS :

Dr. B.L. Sah

Dr. B.K. Mahapatra

M.S. SAHU

Dr. G.P. NAND

10. Dr. S. Yadav

11. Dr. S. Shukla

12.

13. Dr. Sophia Ambrela

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

PART-A: Introduction				
Program: Bachelor in Arts *(Diploma / Degree / Honors)*			Semester -III	Session: 2024-2025
1	Course Code	GOSC – 03 P		
2	Course Title	Practical 3 - MAP PROJECTION		
3	Course Type	PRACTICAL		
4	Pre-requisite (if, any)	*As per Programme*		
5	Course Learning. Outcomes(CLO)	After the completion of course, the students will have ability to: 1. Read and prepare maps. 2. Comprehend locational and spatial as pects of the earth surface. 3. Use and importance of maps for regional development and decision making.		
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		
Total No.of learning-Training/performancePeriods:30 Periods (30 Hours)		
Module	**Topics (Course contents)**	**No. of Period**
Lab./Field Training/ Experiment Contents of Course	Map Projection -Classification, Characteristics, Merit and demerit Gnomoni Polar Zenithal Projection, Stereographic Polar Zenitha Projection, Orthographi Polar Zenithal Projection, Conical Projection wit One Standard Parallel, Conica Projection with Two Standard Parallel, Bonne Projection, Polyconic Projection Simple Cylindrical Projection, Cylindrical Equ Area Projection, Marcators Projection, Galls Projection.	30
Keywords	Map Projection- Polar Zenithal, Conical and Cylindrical Projection,	

Signature of Convener, Members of CBoS :

Dr- B.L. Jain
Dr. B.K. Mahapatra
M. S. SAHU
Dr. G.P. Kanaujia
10. Dr S. Yadav
13- Dr. Sophie Ambedo

PART-C: Learning Resources

Text Books, Reference Books and Others

1- Sarkar, A.K. (1997): Practical Geography : A Systematic Approach. Orient Publication Kolkata.
2. Sharma, J.P. (2001): Prayogik Bhugol., Rastogi Publication, Meerut .
3. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.
4. Singh, L.R. (2006) : Fundamentals of Practical Geography. Sharda Pustak Bhawan,
5- Haroon, M. , Practical Geography, Mishra Trading Corporation, Varanasi,2010
6- Chauhan, P R. 2005, Practical Geography, Vasundhara Prakashan, Gorakhpur
7- Istiyak.M. 1989,A Textbook of Practical Geography,Heritage Publication New Delhi
8- Mishra R.N. ,P K Sharma, Prayogik Bhoogol Rawat Publication, Jaipur ,2019
9- 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
End Semester Exam (ESE):	**Laboratory / Field Skill Performance: On spot Assessment** **A. Performed the Task based on lab. work - 20 Marks** **B. Spotting based on tools & technology (written) – 10 Marks** **C. Viva-voce (based on principle/technology) - 05 Marks**	**Managed by Course teacher as per lab. status**

23.4.25

V. Yadav

Signature of Convener, Members of CBoS :

1) Dr. L. Sw
2) Dr. P K Mishra
3) M. S. SAHU
4) Dr C.P. NAND
5)
6)
7) SUJI
8)
9)
10. Dr S Yadav
12
13 Dr. Sophia Ambrose - Sophia

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Arts (Diploma / Degree/ Honors)		Semester - III	Session: 2024-2025
1	Course Code	GOSE – 01 T	
2	Course Title	CLIMATOLOGY & OCEANOGRAPHY	
3	Course Type	DSE	
4	Pre-requisite (if, any)	*As per Programme*	
5	Course Learning. Outcomes (CLO)	After the completion of course, the students will have ability to: 1. Understand the elements of weather & climate and its impact in different scales. 2. Understand the Monsoon system and comprehend the climatic aspects and its bearing on planet earth. 3. Understand the Oceanic process and its impact on land water. 4. Understand the future availability of resources through Oceans. 5. Understand the Climatic change and Global warming.	
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	Atmospheric composition and structure, Layers, Insolation, Temperature, Factors affectin distribution of temperature. Heat budget, Inversion of Temperature, Air Pressure and winds Circulation of winds.	12
II	Atmospheric moisture, condensation, evaporation and Humidity. Cyclones- Tropical and Temperate, Monsoon -El-Nino & La Nina	11
III	General Introduction of Oceans, Ocean Relief, Temperature , Salinity- distribution and determinants Currents – Oceanic circulation and its impact	11
IV	Waves & Tides, Marine Deposits, Coral Reef, Theories Ocean resources- minerals food, Power Etc.	11
Keywords	Composition, structure of atmosphere, Monsoon, Temperature , Salinity of Ocean, Store food house for future	

Signature of Convener, Members of CBoS :

(1) Dr. B. L. Sen
(2)
(3) Mrs. Sahu
(4) Dr. C. P. Nand
(5)
(6)
(7)
(8) Dr. Sophia Ambrose
(9)
10 Dr S. Yadav

V. Yadav
23.4.25

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Lal, D.S. :Climatology, Chaitanaya Publications, Allahabad, 1986.
2. Critchfiedid, J.H. :General Climatology, Prentico Hall, India, New Delhi, 1993.
3. Das, P.K.:Monsoons 'National Book Trust, New Delhi, 1987.
4. Fein, J.S.and Slephens, P.N. :Monsons. Wiley Interscience, 1987
5. Davis Rechard J.A.:"Oceanography-An Introduction to the Marine Environment". Wm. C. Brown Iowa, 1986.

Online Resources–

- *https://www.imdpune.gov.in/training/training%20notes/Climatology-IMTC.pdf*
- *https://www.bkbcollege.in/upload/dpt_book/1669712576.pdf*
- *https://www.scribd.com/document/649484125/CLIMATOLOGY-BY-DS-LAL*

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 =20 Marks** Section B: Descriptive answer type qts., **1out of 2** from each unit-**4x10=40 Marks**	

22.4.25

V. yadav

Signature of Convener, Members of CBoS :

1. Dr. B.L. Saini
2.
3.
4.
5.
6.
7.
8. Dr. Sapna Ambedkar - Lucknow
9.
10. Dr. S. Yadav

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

PART- A: Introduction				
Program: Bachelor in ARTS *(Diploma / Degree / Honors)*			Semester - III	Session: 2024-2025
1	Course Code	GOSE- 03 P		
2	Course Title	Practical 3 - STUDY OF INDIAN WEATHER MAP		
3	Course Type	PRACTICAL		
4	Pre-requisite (if, any)	*As per Programme*		
5	Course Learning. Outcomes (CLO)	After the completion of course, the students will have ability to: 1. Understand the difference between weather and climate. 2. Understand the elements of climate and Meteorological instruments 3. Understand the importance of Weather maps, the method of description through various seasons-summer, winter and rainy		
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	Difference between Weather and Climate and its elements, Importance of Weather Maps Indian Meteorological Observatories, Meteorological instruments, Representation o Weather elements on Map, Interpretation of Indian daily weather report – summer winter, rainy season.	30
Keywords	*Weather, Climate, Monsoon, NLM, Interpretation, Instruments.*	

23.4.25

V. yadu

Signature of Convener, Members of CBoS :

Dr. Sophia Ambrose

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Sharma J. P., 2010: Prayogic Bhugol, Rastogi Publishers, Meerut.
2. Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
3. Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi
4. Singh, L R & Singh R (1977): Manchitra or Pryaogatamek Bhugol , Central Book, Depot, Allahabad 1.
5. Singh R L and Duttta P K (2012) Prayogatama Bhugol, Central Book Depot, Allahabad
6. Prof. R.N.Mishra & P.K.Sharma (2023) Practical Geography ,Pareek Publication Jaipur

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
End Semester Exam (ESE):	**Laboratory / Field Skill Performance: On spot Assessment** **Performed the Task based on lab. work - 20 Marks** **Spotting based on tools & technology (written) – 10 Marks** **Viva-voce (based on principle/technology) - 05 Marks**	**Managed by Course teacher as per lab. status**

23.4.25

V. yadu

Signature of Convener, Members of CBoS

1) Dr - D.L. Sen
2)
3)
4)
5)
6)
7)
8) Dr Sophia Ambedkar
9)
10) Dr S. Yadav

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

PART- A: Introduction				
Program: Bachelor in Arts *(Diploma / Degree / Honors)*			Semester - IV	Session: 2024-2025
1	Course Code	GOSC – 04 T		
2	Course Title	GEOGRAPHY OF INDIA		
3	Course Type	DSC		
4	Pre-requisite (if, any)	*As per Govt. norm*		
5	Course Learning Outcomes (CLO)	After the completion of course, the students will have ability to: 1. Understand about the physiographic division of India and drainage system. 2. Understand the seasonal variations of climate and monsoon of India. 3. Understand the biotic and abiotic resources of India. 4. Understand the growth density and distribution of population of India. 5. Understand the economic activity primary, secondary and tertiary.		
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	Physical Features: Structure, relief, Drainage, Climate and Monsoon, Soil, Water resourc and Forest.	12
II	Agriculture-Major Cereals: Paddy, Wheat, Tea, Coffee, Sugarcane Population-Growth, Density, Distribution	11
III	Mineral resources: Iron Ore, Bauxite, Coal, Petroleum & Natural gas, Atomic energy and Non-conventional energy resources	11
IV	Industries localization, development and production- Iron and Steel, Cotton Textile, Cement & Sugar Industries, Industrial Regions, SEZ Trade and Transport	11
Keywords	*Physical Features, Minerals, Industries*	

23.4.25

V. Yadu

Signature of Convener, Members of CBoS :

Dr. B L Sur

Dr. S. Yadav

Dr S Ghosh

Dr. Sophia Ahmed

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Chauhan, P.R and Prasad, M. (2003): *Bharat Ka Vrihad Bhugol*, Vasundhara Prakashan, Gorakhpur.
2. Farmer, B.H.(1983): An Introduction to South Asia. Methuen, London
3. Gautam, A. (2006): Advanced Geography oflndia, Sharda Pustak Bhawan, Allahabad
4. Johnson, B.L.C. (1963) Development in South Asia. Penguin Books, Harmondsworth
5. Krishnan, M.S.(1982): Geology oflndia and Bunna, CAS Publishers and Distributors, Delhi.
6. Khullar, D.R. (2007): India:A Comprehensive Geography, Kalyani Publishers, New oethi
7. Nag, P. and Gupta, S.S. (1992): Geography oflndia, Concept Publishing Company,New Delhi.

Online Resources–

- https://www.iipa.org.in/upload/ind_geo.pdf
- https://ncert.nic.in/textbook.php?kegy2=0-16
- https://archive.org/details/indiaasacredgeography

Online Resources–

- 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 =20 Marks Section B: Descriptive answer type qts., 1out of 2 from each unit-4x10=40 Marks	

V. Yadav 23.4.25

Signature of Convener, Members of CBoS :

1) Dr. B.L. Sahu
2) Dr. A.K. Mukherjee
3) M. S. SAHU
4) Dr. C.P. Nanda
5)
6)
7)
8) Dr S. Yadav
9) Dr. Shridhar
10)
11) Dr. Sophia Ambrish Kujur
12)

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in Arts *(Diploma / Degree / Honors)*			Semester -IV	Session: 2024-2025
1	Course Code	GOSC- 04 P		
2	Course Title	Practical 4 - Representation of Statistical Data		
3	Course Type	Practical		
4	Pre-requisite (if, any)	*As per Programme*		
5	Course Learning. Outcomes (CLO)	After the completion of course, the students will have ability to: 1- Read and prepare diagram. 2- Acquire knowledge to prepare Graphs and diagram from geographic data and also the ability to interpret them. 3- To understand basic statistical methods and skills for cartographic transformation of information. Skills in graphical representation of data pertaining to geography will be given.		
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	Representation of Statistical Data- Kinds of Diagram- One Dimensional, Two Dimensional and Three Dimensional. Bar Diagram, Multiple Bar Diagram , Simple Pyramid Diagram, Block Diagram, Wheel Diagram , Wind Rose, Band Graph,	30
Keywords	Statistical Data, Multiple, Three dimensional, Pyramid, wind rose.	

23.11.25

V. Yadu

Signature of Convener, Members of CBoS :

Dr. S. SATHU

Dr. S. Sridhar

PART–C: Learning Resources

Text Books, Reference Books and Others

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

Suggested Continuous Evaluation Methods:

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

Continuous Internal Assessment(C IA): (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
End Semester Exam (ESE):	Laboratory / Field Skill Performance: On spot Assessment A. Performed the Task based on lab. work - 20 Marks B. Spotting based on tools & technology (written) – 10 Marks C. Viva-voce (based on principle/technology) - 05 Marks	Managed by Course teacher as per lab. Status

V. Yadu

Signature of Convener, Members of CBoS :

Dr. B. L. Sav

Dr. A. K. Thakur

M. S. SAHU

Dr. C. P. Prasad

10. Dr. S. Yadav

Dr. S. Siddiqui

13. Dr. Sadhna Ambrale

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in Arts *(Diploma / Degree/Honors)*			Semester - IV	Session: 2024-2025
1	Course Code	GOSE – 02 T		
2	Course Title	SOIL & BIOGEOGRAPHY		
3	Course Type	DSE		
4	Pre-requisite (if, any)	*As per Programme*		
5	Course Learning. Outcomes (CLO)	At the end of the semester student has ability to 1. Acquaint with the nature and basics of Biogeography 2. Describe the major factors and processes governing the soil formation. 3. To analyze the different issues regarding soil degradation and soil conservation. 4. Explain the major principles and processes that govern the local and global distribution of plants & anima 5. Critically assess theoretical and conceptual issues relating to biodiversity and forest conservation efforts in India.		
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 Nature of Biogeography	Definition, scope of Biogeography, Approaches of Biography, relation with other branches of science, Relevance of the study of Biogeography, Development of Biogeography	12
II Soil formation& conservation	Soil Formation: Factors and Processes; Soil Properties (Physical and Chemical); Soil Nutrients and Organisms; Soil Profile. Soil Taxonomy: Classification by USDA and FAO; Soil Degradation: Causes and Consequences; Soil Conservation	11
III Plant & animal community	Plant Community: Meaning and Concepts; Evolution and Classification of Plants; Plant Response to Environment: Adaptation, Succession, and Climax; Dispersal and Distribution of Plants. Phyto-geographical regions; Consequences of deforestation . Theory of evolution of species(DARVIN) and its critics. Factor influencing the Distribution, Dispersal and migration of animals; means and barriers; Zoo-geographical regions of the world. Wild life management; Relevance of sanctuaries with special reference to India	11
IV – Biodiversity	Biodiversity ; Concept, Types and Importance; Biodiversity Conservation; Biomes with Special Reference to Tropical Rain Forests, Tropical Monsoon Deciduous Forest, Tropical and Temperate Grass Lands. . National Forest Policy of India, Conservation of Biotic Resources. , Social forestry and Participatory Management of Forest in India.	11

Signature of Convener, Members of CBoS :

Dr. Sophie Ambeka Joshi

V. Yadav

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended –

1. Cox, C.B. and Moore, P.D. (1993): Biogeography: An Ecological and Evolutionary Approach, 5th Edition, Blackwell, Oxford
2. Darlington, P. J. (1957): Zoogeography: The Geographical Distribution of Animals, Wiley, New York.
3. Haggett, R.J., (1998): Fundamentals of Biogeography, Routledge, London
4. Mathur, M.S. (1988): Essentials of Biogeography, Jaipur
5. Singh , Savindra (2020), Biogeography, Pravalika Publication , Allahabad
6. Singh, R.B. (2009): (Eds.) Biogeography and Biodiversity. Rawat Publication, New Delhi.

Online Resources–

- https://www.rawatbooks.com/environment/biogeography-
- https://www.routledge.com/Fundamentals-of-Biogeography/Huggett/p/book/ 9780415323475
- https://study.com/academy/lesson/biogeography-definitions-examples.html

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 =20 Marks Section B: Descriptive answer type qts.,1out of 2 from each unit-4x10=40 Marks	

23.4.25

Signature of Convener, Members of CBoS

Dr. Sujata Ambasht

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)

DEPARTMENT OF GEOGRAPHY

COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in Arts *(Diploma / Degree / Honors)*			Semester - IV	Session: 2024-2025
1	Course Code	GOSE – 02 P		
2	Course Title	PRACTICAL 2 - GEOLOGICAL MAPS		
3	Course Type	Practical		
4	Pre-requisite (if, any)	*As per Programme*		
5	Course Learning. Outcomes (CLO)	At the end of the semester student has ability to 1. To provide the knowledge of geological structure of the earth 2. To Understand the Geological periods 3. To acquainted knowledge of rocks and their pattern		
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	Geological Maps- definition, types, importance Geological time, Rocks, basic concepts: dip, strike line, width& thickness of bed Construction of strike line , completion of bed, Cross sectional analysis of conformable-Unconformable series Cross section analysis of fold & fault	30
Keywords	Geological map, rocks. Strike line, cross section	

23.11.25

V. Yadav

Signature of Convener, Members of CBoS :

Dr. Sophie Ambrose, Sophie