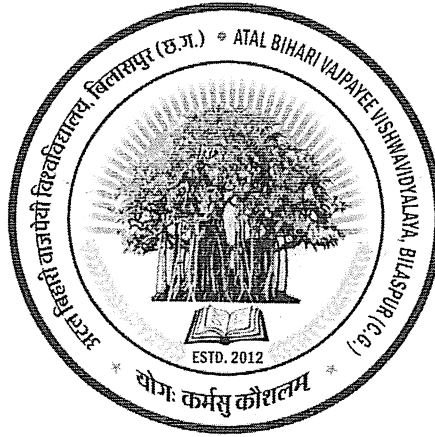


Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)



Scheme and Syllabus

of

M. A. (Geography)

Program Code: MAGEOGR108

**Semester system for affiliated college
(As per LOCF and credit system)**

w.e.f. 2023-2024

(As approved by AC and EC meetings held on 16.08.2023 and 18.04.2023 respectively)



अटल बिहारी वाजपेयी विश्वविद्यालय, बिलासपुर (छ.ग.)

कोनी पुलिस थाना के सामने, बिलासपुर-रतनपुर मार्ग, कोनी, बिलासपुर (छ.ग.) 495009

Website: www.bilaspuruniversity.ac.in

Scheme of M.A. (Geography) Under Semester System										
PROGRAM CODE: MAGEOGR108										
Semester	Course Code	Subject Name	Credit			Total Credit	Marks			
			L	T	P		ESE	IA	Total	
									Max	Min
I	GEOGT101	Geomorphology	3	1	-	4	80	20	100	36
	GEOGT102	Climatology	3	1	-	4	80	20	100	36
	GEOGT103	Evolution of Geographical thought	3	1	-	4	80	20	100	36
	GEOGT104	Geography of India	3	1	-	4	80	20	100	36
	GEOGP101	Practical: Interpretation of Topographical Sheets and Surveying	-	-	4	4	-	-	100	36
	Subtotal			12	4	4	20	-	-	500
II	GEOGT201	Oceanography	3	1	-	4	80	20	100	36
	GEOGT202	Regional Planning and Development	3	1	-	4	80	20	100	36
	GEOGT203	Geography of Chhattisgarh	3	1	-	4	80	20	100	36
	GEOGT204	Elective I : Social Geography	3	1	-	4	80	20	100	36
	GEOGT205	Elective I : Political Geography	3	1	-	4	80	20	100	36
	GEOGP201	Practical: Map Projection, Geological Maps and Surveying	-	-	4	4	-	-	100	36
	Subtotal			15	5	4	24	-	-	500

Abbreviations used:

ASE: End Semester Exam

IA: Internal Assessment

Note: Dissertation (लघुशोध प्रबंध) जो विद्यार्थी प्रथम व द्वितीय सेमेस्टर परीक्षा में कुल प्राप्तांक का 60% एवं 60% से अधिक अंक प्राप्त किया है। वह चतुर्थ सेमेस्टर में किसी एक सैद्धांतिक प्रश्न पत्र के स्थान पर लघु शोध प्रबंध का चयन कर सकता है।

The student who has secured 60% and more than 60% of the total marks in the first and second semester examination He/she can opt for dissertation in place of any one theory paper in the fourth semester.

Note: Student have to opt, one paper from the pool of Elective 1st of 2nd semester, one paper from the pool of Elective 2nd of 3rd semester and Elective 3rd of 4th semester.



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Website: www.bilaspuruniversity.ac.in

M. A. GEOGRAPHY PROGRAMME OUTCOME

PO1: Understand earth's tectonic and structural evolution, Gain knowledge about earth's interior. Develop an idea about concept of plate tectonics and resultant Landforms.

PO2: Acquire knowledge about types of folds and faults and earthquake, volcanoes and associated, Landforms.

PO3: Student can understand the climatic phoneme- non and its impact.

PO4: Demonstrate and advanced understanding of and ability to differentiate among the various methodologies used in geographic research.

PO5: Acquire, analyse, evaluate, interpret and Critique geography data and /or research.

PO6: Identity and assess how geographic concepts apply in the workplace and in everyday life to solve real-world problem.

PO7: Most of the competitive examinations cover 15-20% questions from the subject Geography In this way PG program is a base for the students to be successful in such exams.

Dr. D. D. Kashyap
31.7.2023



M. A. GEOGRAPHY
PROGRAMME SPECIFIC OUTCOME

PSO1: Acquireing Knowledge of Physical Geography: Student will gain the knowledge of physical geography. Student will have a general understanding about the geomorphological and geotechnical process and formation. They will be able to correlate the knowledge of physical geography with the human geography.

PSO2: Acquireing Knowledge of Human Geography: They will be able to acquire the knowledge of Human Geography and will correlate it with their practical life.

PSO3: Ability of Problem Analysis: Student will be able to analyse the problems of physical as well as cultural environments of both rural and urban areas. Moreover they will try to find out the possible measures to solve those problems.

PSO4: Conduct Social Survey Project: They will be eligible for conducting social survey project which is needed for measuring the status of development of a particular group or section of the society.

PSO5: Application of modern instruments: Students will be able to learn the application of various modern instruments and by these they will be able to collect primary data.

PSO6: Application of GIS and modern Geographical Map Making Techniques: They will learn how to prepare map based on GIS by using the modern geographical map making techniques.

PSO7: Development of Observation Power: As a student of Geography Honours Course they will be capable to develop their observation power through field experience and in future they will be able to identify the socioenvironmental problems of a locality.

PSO8: Development of Communication Skill and Interaction Power: After the completion of the project they will be efficient in their communication skill as well as power of social interaction. Some of the students are being able to understand and write effective reports and design credentials, make effective demonstrations, and give and receive clear instructions.

PSO9: Enhancement of the ability of Management: Demonstrate knowledge and understanding of the management principles and apply these to theirs own work, as a member and leader in a team, to manage projects. They will perform effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PSO10: Understand Environmental Ethics and Sustainability: Understand the impact of the acquired knowledge in societal and environmental contexts, and demonstrate the knowledge of need for sustainable development.

PSO11: Life-long learning: Identify the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of societal and environmental change.



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Part A: Introduction			
Program: MA GEOGRAPHY		Semester: I	Year: 1
w.e.f. 2023-2024			
1.	Course Code	GEOGT101	
2.	Course Title	GEOMORPHOLOGY	
3.	Course Type	Theory	
4.	Pre-requisite (if any)	Passed B.A. (with Geography subject)	
5.	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> • Geomorphology is essentially a field science, therefore student be taken to the field for effective understanding of geomorphology forms and processes. • Understand the functioning of earth system in real time and analyse how the natural and anthropogenic operating factor affects the developments of landform. • Assess the roles of structure, stage and time in shaping the landforms. Interpret geomorphological maps and apply the knowledge in geographical research. 	
6.	Credit Value	4	
7.	Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36

Part B: Content of the Course		
Total No. of Hours: 60:		
Unit	Topics	No. of Hours
I.	Nature and Scope of Geomorphology: Fundamental concepts- Geological Structures and landforms, uniformitarian's multi cyclic and polygenetic evolution of landscapes, concept of threshold.	12
II.	Interior of the Earth, Origion of the continents and ocean basin (Wegner Theory) and Plate Tectonic Theory, Isostasy.	12
III.	Earth Movements:- Epeirogenic, Orogenic and Cymatogenic earth movement. Froces of crustal instability Fold, fault, and earth quake, Valcanicity.	12
IV.	Exogenetic Processes:- Concept of gradation, Weathering, Mass movement, Cycle of erosion, by Davis and Penck, Slope evolution: down warping concept by Davis, Parallel retreat and slope replacement models by Penck.	12
V.	Evolution of landforms (Erosional and Depositional):- Fluvial, Glacial, Perriglacial, Aeolian (Arid & semi Aired) Marine and Karst processes and resulting landforms, Erosion surfaces, Applied geomorphology, Urban geomorphology Environment geomorphology and Natural Hazards.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

As approved by academic council and executive council meetings

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Text Books:

1. कौशिक एस. डी. : भू-आकृति विज्ञान के सरल सिद्धांत आरके बुक्स, नई दिल्ली
2. नेगी.बी.एस.: भू-आकृति विज्ञान आर के बुक्स, नई दिल्ली
3. दयाल, परमेश्वर: भू-आकृति विज्ञान, आर के मुक्स, नई दिल्ली
4. यादव रामसुरेश: भू आकृति विज्ञान, ग्रन्थम, रामबाग, कानपुर, 1976
5. सिंह, सविन्द्र के: भू-आकृति विज्ञान शारदा पुस्तक भवन, इलाहाबाद
6. प्रसाद गायत्री: भू-आकृति विज्ञान शारदा पुस्तक भवन, इलाहाबाद
7. गौतम अलका: भू-आकृति विज्ञान रस्तोगी पब्लिकेशन मेरठ
8. शर्मा एच.एस. एवं प्रमीला कुमार: भू-आकृति विज्ञान पंचशील प्रकाशन जयपुर 2011

Reference Books:

1. Ahnmed, E.: Coastal Geomorphology of India.
2. Chorley, R., J. Spatial Analysis in Geomorphology, Methuen, London, 1972.
3. Cooke R.IJ. and Doornkamp, J.C. Geomorphology in Environmental Management. An Introduction. Clarendon press, Oxford, 1974.
4. Dayal, P.: A Text book of Geomorphology, R.K. Books, New Delhi.
5. Dury, G.H.: The Face of the Earth, Penguin Hormondsworth 1959.
6. Fairbridge, R.W. Encyclopedia of Geomorphology, Reinholdts, New York, 1968.
7. Goudie, A.: The Nature of the Environment Oxford & Blackwell, London, 1993.
8. Gautam. Alka: Geomorphology. Sharda Pustak Bhawan, Allahabad.
9. Garner, H.F.: The Origin of landscape- A Synthesis of Geomorphology, Oxford University Press. London, 1974.
10. Holms, A. Principles of Physical Geology. Thomas Nelson, London.
11. Jha, V.C.: Geomorphology, Vasundhara Publication, Gorakhpur.
12. Mitchell, C.W.: 'Terra.ii'i Evaluation. Longman, London, 1973.
13. Oiler, C.D.: Weathering, Longman, London, 1979.
14. Pitty, A.F.: Introduction to Geomorphology, Methuen, London, 1971.
15. Stoddard. D.R (cid) Process and Form in Geomorphology, Roulledge, New York, 1996.
16. Skinner. BJ & Porter. S.C.: The Dynamic Earth John Wiley. New York. 1995.
17. Sparks. B. W. Geomorphology. Longman, London, 1960.
18. Sharma, H.S. (ed.): Perspective in Geomorphology, Concept. New Delhi, 1980.
19. Singh, S: Geomorphology, Prayag Publication, Allahabad, 1998.
20. Steers, JA. The Unstable Earth Methuen, London.
21. Thornbury, W.I.). Principles of Geomorphology, John Wiley, New York, 1960.
22. Stnahler. A.N.: Physical Geography, Willey, New York.
23. Shukla Sangeeta: Hasdo Basin: A Geomorphological Studeis Muhim Prakashan Hapur New Delhi.

E-Resources:

- <https://earthweb.ess.washington.edu>

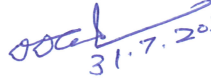
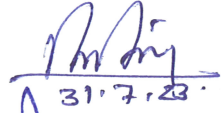
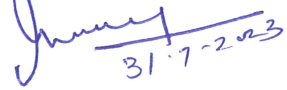


अटल बिहारी वाजपेयी विश्वविद्यालय, बिलासपुर (छ.ग.)

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Website: www.bilaspuruniversity.ac.in

Member of Board of Studies:

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2.	Dr. Brij Lal Sai, Asst.Professor Govt. E.V.PG College Korba.	- Member	
3.	Dr. Versha Vaidhya, Asst.Professor Pt. Madhav Rao Sapre College Pendra Road.	- Member	
4.	Shri Kishor Minj, Asst.Professor Govt. N.K. College Kota.	- Member	 31.7.23
5.	Dr. Sangeeta Shukla, Asst.Professor Govt. Bilasa Girl's PG College Bilaspur	- Member	 31.7.2023
6.	Dr. Pramod Kumar Rathore, Asst.Professor Govt. Gram Bharti Vidyapeeth Hardi Bazar	- Member	
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8.	Prof. D.D.Sharma, Professor Himanchal Pradesh University Shimla.	- Subject Expert	



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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: I	Year: 1	w.e.f.: 2023-2024
1. Course Code	GEOGT102		
2. Course Title	CLIMATOLOGY		
3. Course Type	Theory		
4. Pre-requisite (if any)	Passed B.A. (with Geography subject)		
5. Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">• Understand the elements of weather and climate and its impacts at different scales.• Comprehend the climatic aspects and its, bearing on planet earth.• Weather and climate chart be made available to the students to explain weather conditions. Audio-visual aids be used for effective technique.		
6. Credit Value	4		
7. Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36	

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Nature and Scope of Climatology and its relationship with meteorology, composition, and structure of atmosphere, Insolation and Heat balance of earth, Temperature: Vertical, Horizontal, and Regional, distribution.	12
II.	Air Pressure, Atmospheric Motion:- Permanent winds local wind monsoon winds, Jet Stream, Humidity, Evaporation and condensation (Form of Condensation)	12
III.	Precipitation:- Types, world pattern of precipitation, concept of air masses and fronts, Cyclones. Ocean atmospheric interaction – EL Nino and La Nina.	12
IV.	Classification of Climate: - Koppen, Thornthwate and Trewartha, major climate of the world; Tropical, temperate and frigid, Climate.	12
V.	Climatic Changes during geological and historical times evidences possible causes, global warming, greenhouse effect, Acid rain applied climatology.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

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Website: www.bilaspuruniversity.ac.in

Text Books:

1. तिवारी अनिल कुमार : जलवायु विज्ञान, राजस्थान हिन्दी ग्रंथ अकादमी
2. सिंह, सविन्द्र : जलवायु विज्ञान, प्रयाग पुस्तक भवन, इलाहाबाद
3. नेगी, बी. एस. : जलवायु तथा समुद्र विज्ञान,
4. लाल डी. एस. : जलवायु विज्ञान
5. गौतम डॉ. अल्का : जलवायु एवं समुद्र विज्ञान
6. शर्मा बी. एल. एवं तिवाड़ी, अनिल कुमार : जलवायु विज्ञान के मूल तत्व, राजस्थान हिन्दी ग्रंथ अकादमी, जयपुर
7. सिंह, डॉ रामाश्रय एवं उपाध्याय, डॉ. डी.पी.: जलवायु विज्ञान और समुद्र विज्ञान, वसुन्धरा प्रकाशन, गोरखपुर
8. लाल डी. एस. : जलवायु विज्ञान, आर के बुक्स, नई दिल्ली
9. सिंह, सविन्द्र : जलवायु विज्ञान, आरके बुक्स, नई दिल्ली

Reference Books:

1. Barry, R.G. and Chorley P.I.; Atmosphere, Weather and Climate, Roulledge, London and New York, 1998.
2. Critchfield, J.H.: General Climatology, Prentice Hall, India, New Delhi, 1993.
3. Das, P.K.: Monsoons 'National Book Trust, New Delhi, 1987.
4. Fein, J.S. and Stephens, P.N.: Monsoons. Wiley Interscience, 1987.
5. India Met. Dept.: Climatologically Tables of Observatories in India, Govt. of India 1968.
6. Lal, D.S.: Climatology, Chaitanya Publications, Allahabad, 1986.
7. Lydolph, P.H.: The Climate of the Earth, Rowman, 1985.
8. Menon, P.A. Our Weather, N.B.T... New Delhi, 1989.
9. Oliver, C.: Climatology: An Atmospheric Science, R.K Books. New Delhi.
10. Peterson, S.: Introduction to Meteorology, McGraw Hill Book, London, 1969.
11. Robinson, P.J. and Henderson S.: Contemporary Climatology, Henlow, 1999.
12. Sing. Savindra: Climatology, R.K. Books, New Delhi.
13. Thompson, R.D. and Perry, A (ed.): Applied Climatology, Principles and Practice. Routledge, London, 1997.

E-Resources:

- <https://www.pacificclimatechange.net>

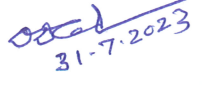
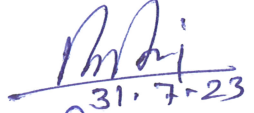
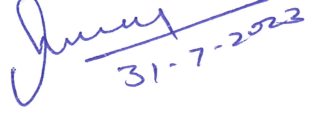


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6.	Dr. Pramod Kumar Rathore, Asst.Professor Govt. Gram Bharti Vidyapeeth Hardi Bazar	- Member	
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8.	Prof. D.D.Sharma, Professor Himanchal Pradesh University Shimla.	- Subject Expert	



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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: I	Year: 1	w.e.f.: 2023-2024
1.	Course Code	GEOGT103	
2.	Course Title	EVOLUTION OF GEOGRAPHICAL THOUGHTS	
3.	Course Type	Theory	
4.	Pre-requisite (if any)	Passed B.A. (with Geography subject)	
5.	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> • Distinguish the parading's in Geography discipline through time. • Understand the geographical thinking in different regions of world. • Appreciate the post and future trend of world geography in general and Indian geography in particular. • The student may be encouraged to collect information on any theme amenable to geographical interpretation. 	
6.	Credit Value	4	
7.	Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Definition Scope and Function of Geography: The Field of geography, its place in the classification of science, Geography as a social science, and natural science. Geography as science of relationship as science of areal differentiation, as spatial science, spatial organization.	12
II.	The Growth of Geographical knowledge from earliest times up to the 15 th century. Contribution of Greek and Roman thinkers, Arab Geographers and their contribution, Geographical information in Ancient Indian literature, The Dark age in Geography, The Great age of Maritime Discovery and Exploration.	12
III.	Contributions of Various School of thought in modern geography: <ol style="list-style-type: none"> German School – Ratzal, Humboldt, Cart Ritter French School – Vidalde la Bache, Demangeon British School – Halford John Machinder, Herbertson American School – W.M. Devis Ellen Churechill Sample Hartshorne Russian School – Lomonosor Indian School. 	12
IV.	Scientific Explanation: Routes to scientific explanation (Inductive/Deductive). Type of explanation: Cognitive description, cause and effect, temporal, functional/ ecological and systems, laws, theories and models in Geography.	12

31-7-2023



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V.	Geography and environment, forms of man-nature relationship and current view, Dualism in geography. Quantitative revolution and Philosophy of positivism. Behaviorism, relevance movement and radical geography. Changing paradigms.	12
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Part C - Learning Resource

Text Books, Reference Books, E-Resources

Text Books:

1. त्रिपाठी एवं बिरले : भौगोलिक चिंतन का विकास एवं विधितंत्र
2. कौशिक, एस.डी. : भौगोलिक विचारधाराएं एवं विधितंत्र, आर. के बुक्स, नई दिल्ली, 2010
3. सिंह, जगदीश भौगोलिक चिंतन का क्रम विकास, आर. के. बुक्स, नई दिल्ली, 2010
4. हुसैन, माजिद भौगोलिक चिंतन का इतिहास रावत पब्लिकेशन, नई दिल्ली, 2004
5. सिंह, देवेन्द्र प्रसाद भौगोलिक चिन्तन की समीक्षा, शारदा पुस्तक भवन, इलाहाबाद
6. बंसल, सुरेश चन्द्र भौगोलिक चिन्तन के मूल तत्व आर के बुक्स, नई दिल्ली
7. श्रीवास्तव वी. के. भौगोलिक चिन्तन के आधार, आर के बुक्स, नई दिल्ली
8. दीक्षित, रमेश दत्त : भौगोलिक चिन्तन का विकास एक ऐतिहासिक समीक्षा, आर.के बुक्स नई दिल्ली
9. जाट, बी. सी. भौगोलिक विचारधाराएँ तथा विधितंत्र, मलिक एण्ड कंपनी जयपुर एवं दिल्ली, 2013।

Reference Books:

1. Abler, Ronald; Adams, John S. Gold, Peler: Spatial Organization: The Geographer's view of the world. Prentice Hall, NJ. 1971.
2. Adhikari, S.: Fundamental of Geographical Thought, R.K. Books, New Delhi.
3. Ali S.M.: The Geography of Puranas, Peoples Publishing House, Delhi, 1968.
4. Amedeo, Douglas: An Introduction to Scientific Reasoning in Geography, John Wiley, USA. 1971.
5. Dikshit, R.D. (ed.): The Art & Science of Geography Rand Me Nally & Co., 1959.
6. Hartshorne, R.: Perspectives on Nature of Geography Rand Me Nally & Co., 1959.
7. Hussain, M.: Models in Geography, R.K. Books, New Delhi.
8. Husam. M.: Evolution of Geographic Thought, Rawat Pub., Jaipur, 1984.
9. Jolunston, R.J.: Philosophy and Human Geography, Edward Arnold, London, 1983.
10. Johnston, R.J.: The Future of Geography, Methuen, London, 1988.
11. Minshull. R.: The Changing Nature of Geography, Hutchinson University Library, London, 1970.
12. Ali. S. M. - Arab Geography.
13. Taylor, G.: Geography in the 20th Century.
14. Dikshit. R.D.: Geographical Thought: A Contextual History of Ideas, Prentice Hall of India, and New Delhi.
15. Harvey D. Explanation in Cicography.

E-Resources:

- <https://uou.ac.in/tiles>Slm>



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8.	Prof. D.D.Sharma, Professor Himanchal Pradesh University Shimla.	- Subject Expert	



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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: I	Year: 1	w.e.f.: 2023-2024
1.	Course Code	GEOGT104	
2.	Course Title	GEOGRAPHY OF INDIA	
3.	Course Type	Theory	
4.	Pre-requisite (if any)	Passed B.A. (with Geography subject)	
5.	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">• Understand the Physical Profile of the country.• Understand the demographic, cultural, social properties of country.• Understand the resources distribution and utilization for sustainable development.• Synthesis and develop the idea of regional dimensions.	
6.	Credit Value	4	
7.	Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Physical and Biological element in the Geography of India. Geological structure, relief, climate (Monsoon) Drainage, Vegetation and soils.	12
II.	Agriculture: Major characteristics and Problems. Impact of irrigation Infrastructural and institutional factors on agriculture. Important crops wheat, rice, sugarcane, oil-seeds, tea agricultural regions, green revolution.	12
III.	Power and Minerals Resources:- Coal, Petroleum, Natural Gas, Hydroelectricity and Atomic, energy, mineral resources with special reference to iron ore manganese and bauxite.	12
IV.	Industrial development with special reference to iron and Steel Cement, Cotton, Jute, Sugar and Paper Industries, Industrial regions.	12
V.	Population: Distribution and growth, Regional division of India, major schemes of regions of India by O.H.K. spate and R.L. Singh.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

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Text Books:

1. अग्रवाल पी.सी. भारत का भौतिक भूगोल, एशिया प्रकाशन कं. रायपुर 2003
2. बंसल सुरेशचंद्र, भारत का भूगोल, मिनाक्षी प्रकाशन, मेरठ
3. वर्मा रामविलास, भारत: एक भौगोलिक विवेचन, भवदीय प्रकाशन श्रृंगारघाट – अयोध्या, फैजाबाद, पिन –224123, 2007.
4. तिवारी विजयकुमार – भारत का भूगोल, हिमालयन प्रकाशन।

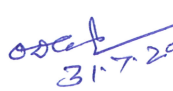
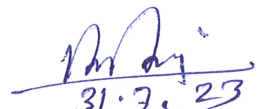
Reference Books:

1. Centre for Science & Environment (1988) State of India's Environment, New Delhi.
2. Desphande C.D. India.: a Regional Interpretation ICSSR & Northern Book Centre 1992.
3. Dreza, Jean & AMartya. Sen (ed.) India Economic Development and Social opportunity Oxford University Person, New Delhi, 1996.
4. Gautam, Alka. Advanced Geography of India, Sharda Pustak Bhawan Allahabad.
5. Khullar, D.R.: India: A Comprehensive Geography, R.K. Books, New Delhi.
6. Kundu A. Raza Moonis: Indian Economy: the Regional Dimension Speculum Publishers, New Delhi, 1992.
7. Singh R.L. (ed.): India - A Regional Geography National Geographical Society, India Varanasi, 1971.
8. Spale OHK & ATA Learnont-India & Pakistan Methuen, London, 1967.
9. Tirtha R. & Gopal Krishna, Emerging India Reprinted by Rawat Publications, Jaipur 1996.
10. Sharma T.C. and O. Coutinho: Economic and Commercial Geography of India.

E-Resources:

- <https://ncert.nic.in>less102>

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- Govt. N.K. College Kota.
5. Dr. Sangeeta Shukla, Asst.Professor - Member
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6. Dr. Pramod Kumar Rathore, Asst.Professor - Member
Govt. Gram Bharti Vidyapeeth Hardi Bazar
7. Prof. Kamlesh Mishra, Professor - Subject Expert
Rani Durgawati University Jablpur
8. Prof. D.D.Sharma, Professor - Subject Expert
Himanchal Pradesh University Shimla.

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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: I	Year: 1	w.e.f.: 2023-2024
1.	Course Code	GEOGP101	
2.	Course Title	INTERPRETATION OF TOPOGRAPHICAL SHEETS AND SURVEYING	
3.	Course Type	Practical	
4.	Pre-requisite (if any)	Passed B.A. (with Geography subject)	
5.	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">• Make use of proper tools and surveying methods for measurement in context of collection and processing of data.• Use the topographic data and understand of morphometric analysis.	
6.	Credit Value	4	
7.	Total Marks	100	Min Passing Marks:36

Part B: Content of the Course	
Total No. of Hours: 120	
Unit	Topics
•	Topographical Information:- International series, Open series, Indexing, classification & Interpretation of topographical Sheets.
•	Morphometric Analysis - Profile, Slope Analysis- (C.K. Wentworth method and G.H. Smith) Hypsographic curve, Altimetric and clinographic curves
•	Diagram and graph: - Climato graph, Traingular graph. Surveying:- Plane Table: Plan preparation, method of plane table surveying radiation, intersection, open traverse & resection method.
•	Prismatic Compass - Method of Prismatic, compass surveying: Radiation, Inter-section and traverse, correction of bearing, Elimination the closing error, Bowdich method.
•	(a) In the practical examination, the following shall be the allotment of time and marks. <ul style="list-style-type: none">• Practical record 20%• Lab work (up to three hours) 40%• Field work (up to three hours) 30%• Viva on i,ii & iii above 10% (b) The external and internal examiners shall jointly submit marks (e) Candidates shall be examined in survey individually. They will however be allowed to take the help of a labourer each at their own expense. (d) All the candidates shall present at the time of the practical examination their Practical record regularly signed by the teachers concerned.

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Part C - Learning Resource

Text Books, Reference Books, E-Resources

Text Books:

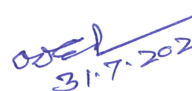
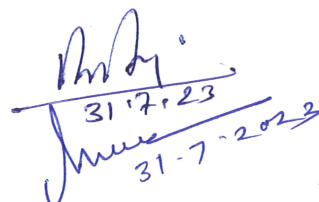
1. मॉक हाउस तथा विलिकौन्सन अनु.प्रो. प्रेमचन्द्र अग्रवाल : मानचित्र तथा आरेख, म.प्र. हिन्दी ग्रंथ अकादमी।
2. हीरालाल प्रयोगिक भूगोल, किताब घर, कानपुर।
3. मिश्र पी.एल. प्रयोगात्मक भूगोल, विश्वभारती पब्लिकेशन, नई दिल्ली, 2013
4. शर्मा जे.पी. प्रायोगिक भूगोल रस्तोगी पब्लिकेशन, मेरठ।
5. चोहान पी.आर प्रयोगात्मक भूगोल।
6. यादव हीरालाल, प्रायोगिक भूगोल।
7. चंद्राकर पी.एल. सर्वेक्षण विधि तंत्र एस.शारदा पब्लिकेशन बिलासपुर।
8. चंद्राकर पी.एल. प्रायोगिक भूगोल संकल्प पब्लिकेशन, बिलासपुर।

Reference Books:

1. Davis, R.C. & E.S. Forte : surveying : Theory and Practical.
2. Kanetkar, T.R. & S.V. Kulkarni: Surveying and leveling part I & II A.V.G. Prakashan, Poona.
3. Monkhouse F.J. & H.R. Wilkinson: Maps and Deagrms, Methuen, London.
4. Singh L.R.: Practical Geography.

E-Resources:

Member of Board of Studies:

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1.	Dr. D.D. Kashyap, Professor Govt. Bilasa Girl's PG College Bilaspur.	- Chairman	 31-7-2023
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| | Rani Durgawati University Jablpur | | |
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Part A: Introduction			
Program: MA Geography	Semester: II	Year: 1	w.e.f.: 2023-2024
1.	Course Code	GEOGT201	
2.	Course Title	OCEANOGRAPHY	
3.	Course Type	Theory	
4.	Pre-requisite (if any)		
5.	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">• Understand the nature and modern trends in oceanography.• Understand the ocean floor relief of ocean button and properties of ocean.• Understand the oceanic process and availability of resources.• Get the knowledge about distribution of lighthogenous, bigamous and hydrogenous.	
6.	Credit Value		
7.	Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Nature and scope of oceanography, history of oceanography. Distribution of land and water. Major features of ocean basin continental shelf. Continental slope, deep sea plains and oceanic deep. Bottom relief of ocean basin Pacific Atlantic Indian.	12
II.	Physical and chemical properties of sea water, temperature and salinity, density of ocean water.	12
III.	Inter link between atmospheric circulation and circulation pattern in the oceans: Suface current, waves and tides.	12
IV.	Marine biological environmental- Biozones of the Ocean. Types of organism, Palankton, Nekton and Benthos, Ocean Deposits and Formation of coral reefs.	12
V.	Impact of human on the Environment- Economic zone, food and mineral resources of the sea on the Major Ocean routes of the world.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

31.7.2023



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Text Books:

1. नेगी. बी. एस. : जलवायु तथा समुद्र विज्ञान, केदारनाथ, रामनाथ प्रकाशन, मेरठ, 1996
2. सिंह, सविन्द्र समुद्र विज्ञान, प्रयाग पुस्तक भवन, इलाहाबाद
3. सिंह, डॉ. रामाश्रय एवं उपाध्याय, डॉ. डी.पी. जलवायु विज्ञान और समुद्र विज्ञान, वसुन्धरा प्रकाशन, गोरखपुर
4. लाल, डी. एस. जलवायु विज्ञान, शारदा पुस्तक भवन, इलाहाबाद

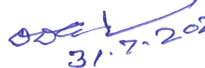
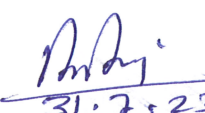
Reference Books:

1. Davis Richard J.A.: "Oceanography-An Introduction to the Marine Environment". Wm. C. Brown Iowa, 1986.
2. Duxbury, C.A. and Duxbury B.: An Introduction to the world's Oceans-C. Brown. Iowa 2nd ed., 1986.
3. Garrison, T.: "Oceanography - An Introduction to Marine Science" Books/Cole, Pacific Grove, USA, 2001.
4. Gross, M. Grant: Oceanography, a View of the earth, prantice-Hall inc, New Delhi, 1987.
5. King C.A.M. Oceanography for Geographers 1962.
6. Lal, D.S.: Oceanography. Sharda Pustak Bhawan, Allahabad.
7. Sharma, R. C. "The Oceans" Rajesh N. Delhi, 1985.
8. Urnmerkuty, A.N.P. Science of the Eceans and Human life, NBT, New Delhi, 1985.
9. Ornmany, F.D.: The Ocean.
10. Sharma, R. C. & M. Vital: Oceanography: A Brief Introduction kislaya Pub. New
11. Siddartha, K.. : Oceanography: A Brief Introduction, Kislya Pub. New Delhi.

E-Resources:

- <https://www.britannica.com>

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July
31.7.2023



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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: II	Year: 1	w.e.f.: 2023-2024
1. Course Code	GEOGT202		
2. Course Title	REGIONAL PLANNING AND DEVELOPMENT		
3. Course Type	Theory		
4. Pre-requisite (if any)			
5. Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">Identify notable lagging regions and solutions for their overall development.Have comprehensive understanding regarding the different regions and application of different models, and theories for integrated regional development.Select appropriate indicators for the measurement of Socio-Economic regional development.		
6. Credit Value	4		
7. Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36	

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Regional Concept in Geography - Conceptual and theoretical framework, Definition, scope and evolution of regional geography. Objective, merits and limitation of application to regional planning and development.	12
II.	Region - Meaning, characteristics and objective of region. Types of Region, formal and functional Uniform and Nodal single purpose and composite, Region in the Content of planning.	12
III.	Special purpose Region - River valley Region, Metropolitan Region. Problem Region, Hill Region, Tribal Region. Regions of drought and Floods.	12
IV.	Planning Process - Sectoral, Temporal and spatial Dimensions- Planing for a regions development. Decentralized, planning process, National state and District level planning process.	12
V.	Panchayat Raj system- role and importance in regional development. Indicators of development measuring Level of regional development, Regional development in India, Problem and Prospect.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

OSCE



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Website: www.bilaspuruniversity.ac.in

Text Books:

1. श्रीवास्तव व्ही. के. एवं अन्य प्रादेशिक नियोजन एवं संतुलित विकास, वसुन्धरा प्रकाशन, गोरखपुर
2. ओझा, रघुनाथ : प्रादेशिक नियोजन का भूगोल, किताब घर, कानपुर, 1986
3. शर्मा, राजीवलोचन : प्रादेशिक एवं नगरीय नियोजन, किताब घर, कानपुर, 2005
4. चाँदनी, आर.सी. प्रादेशिक नियोजन तथा विकास, आर.के. बुक्स, नई दिल्ली, 2010.
5. सिंह एवं दुबे, प्रादेशिक विकास नियोजन, आर. के. बुक्स, नई दिल्ली, 2009.
6. देहरे, टी.आर. क्षेत्रीय नियोजन एवं समान्वित विकास, वसुन्धरा प्रकाशन, गोरखपुर 2006.
7. जाट, बी.सी. प्रादेशिक भूगोल, पंचशील प्रकाशन, जयपुर

Reference Books:

1. Daysch, C.H.J. & others: Studies in Regional Planning.
2. Deckinson R.E.: City Region and Regionalism.
3. Freeman, E. W.: Geography and Planning.
4. Golksin A.: Regional Planning and Development.
5. Keeble, L.: Principle and Practice of Town and Country Planning.
6. Stamp L.D.: The Land of Britain: Its use and Misuse.
7. Sdasyuk, Gatina and Dengupta, P.: Economic Regionalization of India problems and Approaches.
8. Desai, P.B. & others: Regional Perspective of Industrial and Urban Growth case of Kanpur, Bombay, 1969.
9. Prakash, Rao V.L. & S.P.: Regional Planning.
10. Censuts of India: Economic and Socio Cultural Dimensions of regionalization (An Indo USSR Collaborative Study)
11. Friedmann J & Alonso Regional Development and Planning, M.I.T. Press.
12. Misra RP (ed.) Regional Planning Concept: Techniques, Policies and case studies Mysore 1969.
13. Misra, R.P & others Regional Development and Planning in India.
14. Timbergen Essays on World Regional Planning.
15. Lord, W.: Methods of Regional Analysis. M.I T., 1960.
16. Zimmerman, E. W.: World Resources and Industries.
17. Burton & Kates: Reading in Resource Management Conservation.
18. Burton & Kates: Regional Planning in India.
19. Ahamed Enayet: Regional Planning with particular Reference to India Vol 1 and li New Delhi.
20. Bhatt L.S. and others: Micro level planning- A Case Study of Karnal Area Hyryana (K. B. Publishing New Delhi.
21. Bhatt L.S.: Regional Planning in India, Statistical Publishing Society, Calcutta. 1973.
22. Gosal GS, and G. Krishanan: Regional Disparities in levels of Socio-economic Development in Punjab, Vishal Publications Kurukshetra, 1984.
23. Chandna R.C.: Regional Planning A comprehensive Text-Kajyam Publishers. Chand, Pun: Regional Planning in India, 2009, RK Books. New Delh
24. Chandna. R.G.: Regional development and Planning 2009, RK Books, New Delhi.
24. Ray Choudhari Jayasri An Introduction to Development and Regional Planning Orient



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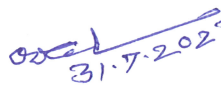
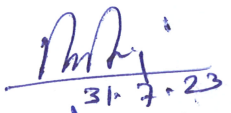
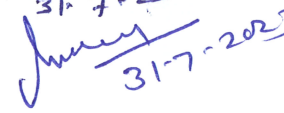
Longman.

25. Sundaram, KV (ed) Geography and Planning. Essays in honour of VLS Prakasa Rao. Concept Publishing Co., New Delhi. 1985.
26. Raza Meomis (ed) Regional Development, Heflage Publishers, Delhi, 1988.
27. Mishra R. P. et al: Multilevel Planning, Heritage Publishers Delhi, 1980.

E-Resources:

- <https://www.dspmuranchi.ac.in>
- <https://www.sciencedirect.com.in>

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2.	Dr. Brij Lal Sai, Asst.Professor Govt. E.V.PG College Korba.	- Member	
3.	Dr. Versha Vaidhya, Asst.Professor Pt. Madhav Rao Sapre College Pendra Road.	- Member	
4.	Shri Kishor Minj, Asst.Professor Govt. N.K. College Kota.	- Member	 31.7.23
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6.	Dr. Pramod Kumar Rathore, Asst.Professor Govt. Gram Bharti Vidyapeeth Hardi Bazar	- Member	
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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: II	Year: 1	w.e.f.: 2023-2024
1.	Course Code	GEOGT203	
2.	Course Title	GEOGRAPHY OF CHHATTISGARH	
3.	Course Type	Theory	
4.	Pre-requisite (if any)		
5.	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">• Understand about the physiographic division of Chhattisgarh.• Understand the physical and cultural, social and demographic properties of Chhattisgarh.• Understand the Natural Resource and sustainable development in Chhattisgarh state.	
6.	Credit Value	4	
7.	Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Physical element of geography of Chhattisgarh: - Location Extent, Geology, physical features, climate, Drainage, Soil and vegetation.	12
II.	Agriculture - Major characteristics, Important crops - Paddy, Wheat, Maize, Kodo Kutaki, Pulses, Oilseed, Sugarcane, Agriculture Region and Major agriculture development schemes, Irrigation, major irrigations Project.	12
III.	Minerals and Power resources:- Iron ore, Bauxite, Manganese, Coal, Hydroelectricity industrial development in Chhattisgarh with special reference to Iron and Steel industries, Cement industries, Textile industries, agriculture based industries, Aluminium, Thermal power.	12
IV.	Population structure: Growth and density of Population Literacy, occupational structure, Tribes of Chhattisgarh.	12
V.	Transports, Trade, Tourism, Culture and regional development. National Park and Sanctuaries.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

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Text Books:

1. त्रिपाठी के. एवंचन्द्राकरपी : छत्तीसगढ़ एटलस. एस. शारदा पब्लिकेशन बिलासपुर बिलासपुर
2. त्रिपाठी के. एवंचन्द्राकरपी : छत्तीसगढ़ का भूगोल, एस. शारदा पब्लिकेशन
3. तिवारी विजय कुमार छत्तीसगढ़ एक भौगोलिक अध्ययन
4. वर्मा लक्ष्मी नाथ छत्तीसगढ़ का भूगोल – छत्तीसगढ़ हिन्दी ग्रंथ अकादमी रायपुर


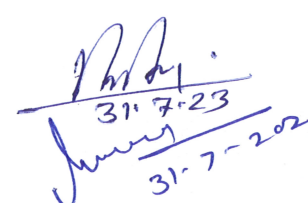
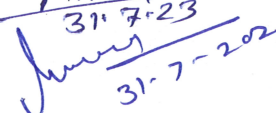
Reference Books:

1. Das, P.K: The Monsoon. National Book Trust of India, New Delhi.
2. Government of India: The Gazetteer of India. Vol. 1: The land and people. Publication Division, New Delhi.
3. Deshpande, C.D.: India A Regional Interpretation. Northern Book Centre, New Delhi.
4. Mukherjee, A. B. & A. Aijazuddin, eds.: India Culture, Society & Economy Inter India, New Delhi.
5. Sharma, T. C. & O.Countinho: Economic and Commercial Geography of India, Vikash Publication, New Delhi.
6. Singh, Jagdish : India. Gyanodaya, Gorakhpur.

E-Resources:

- <http://www.forest.cg.gov.in>

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6.	Dr. Pramod Kumar Rathore, Asst.Professor	- Member	

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| | Rani Durgawati University Jablpur | | |
| 8. | Prof. D.D.Sharma, Professor | - | Subject Expert |
| | Himanchal Pradesh University Shimla. | | |



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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: II	Year: 1	w.e.f.: 2023-2024
1.	Course Code	GEOGT204	
2.	Course Title	ELECTIVE I - SOCIAL GEOGRAPHY	
3.	Course Type	Theory	
4.	Pre-requisite (if any)		
5.	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> To examining the cultural complex and traits of culture and its concepts. Evolution to civilization and various cultural development and culture system To study the Origin and Growth of culture and Culture System and its basic concept understand the concept of space and social process and present status. 	
6.	Credit Value	4	
7.	Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Definition, meaning and scope of social geography and its nature relationship with other social science. Development of social geography, Approaches to the study of social Geography	12
II.	Concept of Society- Social Environment, Geographic bases of Social Formation. Social geography of India - Social Stratification, Caste and class. Social organization and groups social transformation and changes in India.	12
III.	Social well- being- meaning and indicators of social well- being. Quality of life, Factor, Pattern and bases of rural and urban society. Deprivation and discrimination issues relating to women and under privileged groups.	12
IV.	Religion and linguistic group of India. Evolution of Socio-cultural Region of India, cultural Realms and cultural Region of the World.	12
V.	Social development planning - meaning and importance. Public policy and Social planning in India. Review of Five year plans strategies to improve social well-being.	12

Part C - Learning Resource
Text Books, Reference Books, E-Resources

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Website: www.bilaspuruniversity.ac.in

Text Books:

1. मौर्य, एस.डी., सामाजिक भूगोल शारदा पुस्तक भवन, 11, युनिवर्सिटी रोड, इलाहाबाद-2, 2004
2. आहूजा राम, भारतीय समाज, आर. के. बुक्स, नई दिल्ली, 2004.
3. शर्मा, के. एल : सामाजिक स्तरीकरण, रावत पब्लिकेशन, जयपुर, 2011

Reference Books:

1. Ahmad Aljazuddin, Social Geography, Rawat Publication. New Delhi, 1999.
2. De Blij. H.D. Human Geography. John Wiley and son, New York.
3. Dreze Jean, Amariya Sen, Economic Development and Social opportunity. Oxford University Press, New Delhi. 1996.
4. Dubey S.C Indian Society National Book Trust, New Delhi, 1991.
5. Gregory. D and J. Larry (Eds.) Social. relations and spatial structures MCMillan. 1985.
6. Haq. Mahbubul: Reflections on Human Development, Oxford University Press. New Delhi.
7. Jones, Emrys, Reading in Social Geography, Oxford University Press, Ely House, London, 1977.
8. Jones, Emrys and John Eyles. An Introduction to Social Geography, Oxford University Press, London, 1977.
9. Maoney, Clarence: People of South Asia, Winston, New York, 1974.
10. Planning Commission, Government of India: Report on Development of Tribal areas, 1981.
11. Rao, M.S.A., Urban Sociology in India, Orient longman, 1970.
12. Schwartzberg Joseph: An Historical Atlas of South Asia. University of Chicago Press, (Chicago, 1978.
13. Sen. Amartya & Dreze Jean. Indian Development: Selected Regional Perspectives. Oxford University Press, 1996.
14. Sharma, K.L.: Indian Social Structure and Change, Rawat Publication, Jaipur, 2011.
15. Smith, David Geography: A welfare Approach, Edward Arnold. London, 1977.
16. Sopher, David, An Exploration of Inda. Cornell University Press, 1980.
17. Subba Rao. Personality of India: Pre and Proto Historic foundation of India and Pakistan, M.S. University Baroda., Vadodai'a, 1958.

E-Resources:

- <https://sndt.an.in>

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Himanchal Pradesh University Shimla.

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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: II	Year: 1	w.e.f.: 2023-2024
1. Course Code	GEOGT205		
2. Course Title	ELECTIVE – I - POLITICAL GEOGRAPHY		
3. Course Type	Theory		
4. Pre-requisite (if any)			
5. Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: <ul style="list-style-type: none">Learn the concept of nation and state and geopolitical theoriesUnderstand the different dimensions of electoral geography and resource conflicts.Have sound knowledge of politics of focusing on dams and SEZ.		
6. Credit Value	4		
7. Total Marks	Internal Marks: 20 External Marks: 80	Min Passing Marks:36	

Part B: Content of the Course		
Total No. of Hours: 60		
Unit	Topics	No. of Hours
I.	Nature, scope, significance and development of Political Geography, concepts, relationship of Political Geography other social science.	12
II.	State, Nation and Nation state - concept of Nation and state, Attributes of state-frontiers, Boundaries, shape, size Territory and sovereignty, Concept of Nation state, Geopolitics, Theories (Heartland and Rimland)	12
III.	Electoral Geography- Geography of voting, Geographic Influences on voting pattern, Geography of Representation, Gerrymandering.	12
IV.	Political Geography of Resource Conflicts- water sharing Disputes and Conflicts Related to Forest Rights and. Minerals.	12
V.	Politics of Displacement: Issue of relief, compensation and rehabilitation: with reference to Dams, Highways and special Economic zones.	12

Part C - Learning Resource	
Text Books, Reference Books, E-Resources	
Text Books: <ol style="list-style-type: none">खत्री हरीश कुमार, राजनीतिक भूगोल, कैलाश पुस्तक सदन, भोपाल।अधिकारी, राजनीतिक भूगोल शारदा पुस्तक भंडार प्रयागराज।	
Reference Books: <ol style="list-style-type: none">Adhikari, S. (2007): Political Geography, Rawat Publication, New Delhi.Adhikari, S. (2013): Political Geography of India-Sharda Pustak Bhawan, Allahabad.Agnew, J., (2002): Making Political Geography, Arnold.	



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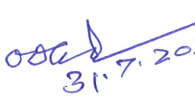
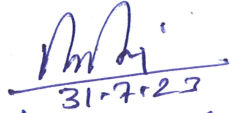
Website: www.bilaspuruniversity.ac.in

4. Agnew, J., Mitchell K. and Total G., (2003): A Companion to Political Geography, Blackwell.
5. Cox, K. R., Low M. and Robinson J., (2008): The Sage Handbook of Political Geography, Sage Publications.
6. Cox, K., (2002): Political Geography: Territory, State and Society, Wiley-Blackwell
7. Gallaher, C., et al, (2009): Key Concepts in Political Geography, Sage Publications.
8. Glassner, M., (1993): Political Geography, Wiley.
9. Hodder, Dick, Sarah, J, Llyod and Keith, S, McLachlan., (1998): Land Locked States of Africa and Asia (vo.2), Frank Cass
10. Jones, M., (2004): An Introduction to Political Geography: Space, Place and Politics, Routledg.
11. Painter, J. and Jeffrey, A., (2009): Political Geography, Sage Publications.
12. Taylor, P. and Flint, C., (2000): Political Geography, Pearson Education.
13. Verma, M. K., (2004): Development, Displacement and Resettlement, Rawat Publications, Delhi.

E-Resources:

- <https://libraries.ou.edu>>

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2.	Dr. Brij Lal Sai, Asst.Professor Govt. E.V.PG College Korba.	- Member	
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7.	Prof. Kamlesh Mishra, Professor Rani Durgawati University Jablpur	- Subject Expert	
8.	Prof. D.D.Sharma, Professor Himanchal Pradesh University Shimla.	- Subject Expert	

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Part A: Introduction			
Program: MA GEOGRAPHY	Semester: II	Year: I	w.e.f.: 2023-2024
1.	Course Code	GEOGP201	
2.	Course Title	MAP PROJECTION GEOLOGICAL MAP & SURVEYING	
3.	Course Type	Practical	
4.	Pre-requisite (if any)		
5.	Course Learning Outcomes (CLO)	<p>At the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> • Read and Prepare maps. • Understand the map projection definition, method, techniques and the types of prospective and non-prospective conventional and classification of Map. 	
6.	Credit Value	4	
7.	Total Marks	100	Min Passing Marks:36

Part B: Content of the Course									
Total No. of Hours: 120									
Unit	Topics								
•	Map Projection - Construction of world projection. Geological Map - Interpretation of geological map Basic definition, conformable and unconformable series.								
•	Dumpy level - Meaning of the terms, used in levelling. Methods of levelling-simple levelling, differential levelling, Profile of levelling - method of contouring.								
•	Theodolite - Meaning of terms used in theodolite, surveying, measurement, of horizontal distance & vertical, height, accessible and non-accessible method								
•	<p>(a) In the practical examination, the following shall be the allotment of time and marks.</p> <table border="0"> <tr> <td>• Practical record</td> <td>20%</td> </tr> <tr> <td>• Lab work (up to three hours)</td> <td>40%</td> </tr> <tr> <td>• Field work (up to three hours)</td> <td>30%</td> </tr> <tr> <td>• Viva on i,ii & iii above</td> <td>10%</td> </tr> </table> <p>(b) The external and internal examiners shall jointly submit marks (c) Candidates shall be examined in survey individually. They will however be allowed to take the help of a labourer each at their own expense. (d) All the candidates shall present at the time of the practical examination their Practical record regularly signed by the teachers concerned.</p>	• Practical record	20%	• Lab work (up to three hours)	40%	• Field work (up to three hours)	30%	• Viva on i,ii & iii above	10%
• Practical record	20%								
• Lab work (up to three hours)	40%								
• Field work (up to three hours)	30%								
• Viva on i,ii & iii above	10%								

sscb

As approved by academic council and executive council meetings



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Website: www.bilaspuruniversity.ac.in

Part C - Learning Resource

Text Books, Reference Books, E-Resources

Text Books:

1. मॉक हाउस तथा विलिकौन्सन अनु.प्रो. प्रेमचन्द्र अग्रवाल : मानचित्र तथा आरेख, म.प्र. हिन्दी ग्रंथ अकादमी।
2. हीरालाल प्रयोगिक भूगोल, किताब घर, कानपुर।
3. मिश्र पी.एल. प्रयोगात्मक भूगोल, विश्वभारती पब्लिकेशन, नई दिल्ली, 2013
4. शर्मा जे.पी. प्रायोगिक भूगोल रस्तोगी पब्लिकेशन, मेरठ।
5. चोहान पी.आर प्रयोगात्मक भूगोल।
6. यादव हीरालाल, प्रायोगिक भूगोल।
7. चंद्राकर पी.एल. सर्वेक्षण विधि तंत्र एस.शारदा पब्लिकेशन बिलासपुर।
8. चंद्राकर पी.एल. प्रायोगिक भूगोल संकल्प पब्लिकेशन, बिलासपुर।

Reference Books:

1. Davis, R.C. & E.S. Forte : surveying : Theory and Practical.
2. Kanetkar, T.R. & S.V. Kulkarni: Surveying and leveling part I & II A.V.G. Prakashan, Poona.
3. Monkhouse F.J. & H.R. Wilkinson: Maps and Deagrms, Methuen, London.
4. Singh L.R.: Practical Geography.

E-Resources:

Member of Board of Studies:

S.N.	Name	Designation	Signature
1.	Dr. D.D. Kashyap, Professor Govt. Bilasa Girl's PG College Bilaspur.	- Chairman	 31.7.2023
2.	Dr. Brij Lal Sai, Asst.Professor Govt. E.V.PG College Korba.	- Member	
3.	Dr. Versha Vaidhya, Asst.Professor Pt. Madhav Rao Sapre College Pendra Road.	- Member	
4.	Shri Kishor Minj, Asst.Professor Govt. N.K. College Kota.	- Member	 31.7.2023
5.	Dr. Sangeeta Shukla, Asst.Professor Govt. Bilasa Girl's PG College Bilaspur	- Member	

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6. Dr. Pramod Kumar Rathore, Asst.Professor - Member
Govt. Gram Bharti Vidyapeeth Hardi Bazar
7. Prof. Kamlesh Mishra, Professor - Subject Expert
Rani Durgawati University Jablpur
8. Prof. D.D.Sharma, Professor - Subject Expert
Himanchal Pradesh University Shimla.