

Program: B.A./B.Sc.	Class: I Year.	Session : 2023-24
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Paper I: Physical Geography (UGeo-0101)

Course Learning Outcome (CLO)	After the completion of course, the students will have ability to:
	<ol style="list-style-type: none"> 1. Understand the internal structure of the earth, rocks that compose it and forces within the earth that act to deform it. 2. Analyze how the natural and anthropogenic operating factors affect the development of land forms. 3. Understand about the denudation processes that unceasingly act at the earth's surface to shape land forms and reduce relief. 4. Assess the role of structure, stage and time in shaping the land forms. 5. Identify the Atmospheric pressure, winds humidity, concept of precipitation, its types and understand the Air Masses and Fronts and the Weather Forecasting. 6. Identify the relief of the ocean bottom, temperature, salinity of ocean water, tide, currents coral reef and oceanic resources.

Content of the Course

Unit	Topic
1.	Origin of the Earth, Geological Time Scale, Earth's Interior, Continental Drift Theory (Wegner), Plate Tectonics, Isostasy.
2.	Earth movements: Earthquakes and Volcanoes, Rocks, Weathering, Erosion and Normal cycle of erosion, Evolution of landscapes: Fluvial, Aeolian (Arid and Semi Arid), Glacial, Karst.
3.	Elements of Weather and Climate, Composition and Structure of the Atmosphere. World patterns of Atmospheric Temperature, Pressure, and Winds.
4.	Atmospheric Humidity and Disturbances, Climatic Classification of Koppen, Geographical account of world climate patterns: Equatorial, Monsoon, Desert and Tundra.
5.	Bottom relief of Ocean, Distribution of Temperature and Salinity of Oceans and Seas, Currents and Tides, Ocean Deposition. Law of the Sea.

Learning Resources: Text Books, Reference Books, Other Resources

Suggested Readings:

1. Ahnmed, E.: Coastal Geomorphology of India.
2. Chorley, R.. J.: Spatial Analysis in Geomorphology, Methuen, London, 1972.
3. Dayal, P. : A Text book of Geomorphology, R.K. Books, New Delhi.
4. Gautam, Alka : Geomorphology, Sharda Pustak Bhawan, Allahabad.
5. Holms, A.: Principles of Physical Geology, Thomas Nelson, London.
6. Jha, V.C. : Geomorphology, Vasundhara Publication, Gorakhpur.
7. Sparks, B.W. Geomorphology, Longman, London, 1960.
8. Sharma, H.S. (cd.): Perspective in Geomorphology, Concept, New Delhi, 1980.
9. Singh, S : Geomorphology, Prayag Publication, Allahabad, 1998.
10. Steers, J.A. : The Unstable Earth Methuen, London.
11. Thornbury, W.I.). Principles of Geomorphology, John Wiloy, New York, 1960.
12. Strahler, A.N.: Physical Geography, Willey, New York.
13. सिंह.एम.बी.(2001) : भौतिक भूगोल, तारा बुक ऐजेन्सी, वारणासी।
14. सिंह, सविन्द्र (2016) : भौतिक भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद।
15. दयाल, परमे वर (2012) : भौतिक भूगोल, पंच गील प्रका न, जयपुर।
16. हुसैन, माजिद (2008) : भौतिक भूगोल, रावत पब्लिके न, जयपुर।

Suggested equivalent online course: 1. epgp.inflibnet.ac.in 2. virtual lectures available on youtube

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Paper II: Human Geography (UGeo-0102)					
Course Learning Outcome (CLO)		After the completion of course, the students will have ability to:			
		<ol style="list-style-type: none"> 1. Discuss and describe the major concepts and key principles of Human Geography including place, space, scale and landscape. 2. Appreciate the diversity of the cultural backgrounds and places. 3. Problem solving from a geographic perspective by understanding the role location plays. 			
Content of the Course					
Unit		Topic			
1.		Meaning, Definition, Nature and Scope of Human Geography, Man - environment relationship: Determinism, Possibilism, Determinism, Neo-Determinism and Probabilism; Human Development Index (HDI).			
2.		Human Races: Formation and Evolution, Characteristics, Classification and Distribution. Human adaptation to environment: Eskimos, Bushman, Pigmy and Masai.			
3.		Growth, Density and Distribution of World Population and factors influencing spatial distribution. Over, Under, and Optimum Population; Migration of Population.			
4.		Rural Settlements: Characteristics, Types and Regional Pattern, Rural Houses in India, Urban Settlement- Types and Pattern.			
5.		Environmental Issues: Global Warming, Climate Change, Acid rain, Deforestation, Desertification, Air, Water and Soil Pollution.			
Learning Resources :Text Books, Reference Books, Other Resources					
Suggested Readings:					
<ol style="list-style-type: none"> 1. Chisholm, M. (1985): Human Geography, 2nd edition, Penguin Books, London. 2. De Blij, H.J.(1996): Human Geography: Culture, Society and Space,. 2nd edition. John Wiley and Sons, New York, 3. Fellman, J. D., Arthur, G., Judith, G., Hopkins, J. and Dan, S. (2007): Human Geography: Landscapes of Human Activities. McGraw-Hill, New York. 10th edition. 4. Haggett, P. (2004): Geography: A Modern Synthesis. 8th edition, Harper and Row, New York. 5. Huggett, R. J. (1998): Fundamentals of Biogeography, Routledge, London. 6. Hussain, M. (1994): Human Geography, Rawat Publications, Jaipur. 7. Johnston, R. J., Gregory, D., Pratt, G. and Watts, M. (2009): The Dictionary of Human Geography. 5th edition, Basil Blackwell Publishers, Oxford. 8. Norton, W. (2008): Human Geography, Oxford University Press, New York. 5th ed. 9. Singh, K. N. and Singh, J. (2001): <i>Manav Bhugol</i>. Gyanodaya Prakashan, Gorakhpur. 2nd edition. 10. Singh, L.R. (2005): Fundamentals of Human Geography, Sharda Pustak Bhawan, Allahabad 11. Smith, D. M.(1977): Human Geography- A Welfare Approach, Edward Arnold (Publishers) Ltd., London 					
Suggested equivalent online course:					
epgp.inflibnet.ac.in 2. virtual lectures available on YouTube					



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 (Dr. Cheryl Shidder)

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Paper III : Practical Geography (UGeo-0103)			
Course Learning Outcome (CLO)	After the completion of course, the students will have ability to: 1. Develop hands on skills in diagrammatic representation of data. 2. Comprehend thematic mapping techniques, its cartographic representation and interpretation. 3. Take up Cartography as a profession.		
Content of the Course			
Unit	Topic		
Section A: Cartography And Statistical Methods			MM- 25
1.	Basic concept of Latitude and Longitude. Identification of tropic of Cancer, Capricorn and equator on map, name of country and state. Northern hemisphere and southern hemisphere. Practice on world and India map.		
2.	Scale: Statement Scale, Representative Fraction (R.F.), Linear scale – Simple, Diagonal, Comparative, and Time Scales.		
3.	Methods of showing relief; Meaning of contour, basic features of Contours line, Hachures; Representation of different landforms by Contours; Conical hill, Plateau, V and U shape valley, Waterfall.		
4.	Graphs and Diagram: Triangular graph, Bar Diagram (Simple and Composite and multiple), Circle Diagram, Pie Diagram.		
5.	Statistical Technique: Mean Median, Mode		
Section B: Surveying			MM-15
6.	Chain and Tape Survey. Triangulation method, Open Traverse and Closed Traverse		
Section C: Practical Record And Viva Voce			MM-10
Learning Resources: Text Books, Reference Books, Other Resources			
Suggested Readings:			
1. Davis, R.E. and Foote, F.S. (1953): Surveying, 4 th edition, McGraw Hill Publication, New York			
2. Jones, P.A.(1968): Fieldwork in Geography, Longmans, Green and Company Ltd., First Publication, London			
3. Monkhouse, F. J. and Wilkinson, F.J. (1985): Maps and Diagrams. Methuen, London			
4. Natrajan, V. (1976): Advanced Surveying, B.I. Publications., Mumbai			
5. Raisz, E. (1962): General Cartography. John Wiley and Sons, New York. 5 th edition.			
6. Sarkar, A. K. (1997): Practical Geography: A Systematic Approach. Orient Longman, Kolkata.			
7. Singh, R.L. and Singh, Rana P.B. (1993): Elements of Practical Geography. (Hindi and English editions). Kalyani Publishers, New Delhi.			
8. Singh, L.R. (2006): Fundamentals of Practical Geography, Sharda Pustak Bhawan, Allahabad.			
9. Venkatramaiah, C. (1997): A Text Book of Surveying, Universities Press, Hyderabad.			
10. षर्मा, जे.पी. (2001) : प्रायोगिक भूगोल, रस्तोगी पब्लिकेशन, मेटूर			
11. मिश्रा, आर.एन.एवं पी.के.षर्मा (2019) : प्रायोगिक भूगोल, रावत पब्लिकेशन, जयपुर			
12. तिवारी, आर.सी.एवं सुधाकर त्रिपाठी (2009) : अभिनव प्रायोगात्मक भूगोल, प्रयाग पुस्तक भवन			
13. मॉक हाऊस तथा विल्किन्सन (अनुवाद प्रो. प्रेमचन्द्र अग्रवाल) : मानचित्र तथा आरेख, मध्यप्रदेश हिंदी इलाहबाद ग्रंथ अकादमी भोपाल			
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