

Institute for Excellence in Higher Education (IEHE), Bhopal

B.A. (HONOURS): PART-I

SUBJECT: GEOGRAPHY

PAPER: HONOURS-II /SUBSIDIARY

**TITLE: Introduction to Geography-Physical Geography
(Geomorphology)**

Maximum Marks: 100

SYLLABUS

Nature & Scope of Geography-

Introduction to Geography, definition, subject matter, approaches, relation with other subjects.
Classification of Geography (Branches)

Physical Geography- Nature and development, Geomorphology- subject matter, scope, Place in Physical Geography.

Earth & Solar system- Origin of Earth- Nova theory & Big Bang theory. Earth interior, Isostasy. Rocks, Geological time scale

Origin & evolution of earth crust- Endogenetic & Exogenetic forces, Continental Drift, Plate Tectonic, Earthquakes, Volcanos, Recent views of mountain Building. Weathering and mass wasting

*Geomorphic cycle & landscape development-*Types of landforms. Concept of cycle of erosion by Davis & Penck. Fluvial, Glacial, Arid, Karst & coastal landforms

Books Recommended:

1. Dayal, P: A Text book of Geomorphology; Shukla book depot, Patna, 1996.
2. Dury, G.H: The face of the earth, Penguins, 1980.
3. ICSSR: A survey of research in Physical Geography; Concept New Delhi, 1983
4. Kale V. and Gupta: The Elements of Geomorphology; Oxford university press, Calcutta 2001.
5. Monkhouse, F.J: Principal of Physical Geography; Hodder and Stoughton, London, 1960.
6. Sharma, H.S. : Tropical Geomorphology ; Concept New Delhi, 1987.
7. Singh, S.: Geomorphology, Prayag Pustakalaya, Allahabad, 1998.
8. Small, R.J.: The study of landforms, McGraw hill, New York, 1995.
9. Sparks, B.W.: Geomorphology, Longmans, London, 1960.
10. Steers J.A.: The Unstable Earth - Some recent views in Geography. Kalyani publishers, New Delhi, 1964.
11. Strahler, A.N.: Environment geo- science, Hamilton publishing, Santa Barbara, 1973.
12. Strahler, A.N. and Strahler, A.H.: Modern physical Geography; John Wiley & sons, revised edition 1992.

Institute for Excellence in Higher Education (IEHE), Bhopal

B.A. (HONOURS): PART-I

Semester I

SUBJECT: GEOGRAPHY

PAPER: HONOURS-I

TITLE: Human Geography

Maximum Marks: 100

Nature & Scope of Human Geography-

Definition, subject matter, approaches, development and relevance. Principles of Human Geography, Determinism, Possibilism and NeoPossibilism.

Man environment Relationship-

Division of Mankind, Spatial distribution. Major racial and ethnic groups in World and in India. World Population Distribution.

Environment- Meaning and elements. Ecosystem concept and function. Human adaptation of environment -- Cold region - Eskimos, Hot region - Bushman, Plateau - Masai. Grassland - Kyrgyz, Mountain - Gujjar.

Human interaction and occupations- Early Primary Activities. Primary Secondary, Tertiary, Quaternary & others human economic activities. Human Settlement- Types & world distribution - Pattern of human settlements.

Books Recommended:

1. Bergwan, Edward E: Human Geography; Culture, connection and landscape; Prentice – Hall, New Gersey.1995.
2. Carr, M: Patterns, Process and Change in Human Geography; Macmillan education. London. 1987.
3. Fellman. J.L.: Human Geography -Landscape of human activities; Brown and Benchman, U.S.A., 1997.
4. Johnston, R.J(editor) : Dictionary of Human Geography; Blackwell, Oxford. 1994;
5. Me bride, P.J: Human Geography systems, patterns and change, Nelson, 1996.
6. Michael, Kan; New Patterns; Process and change in human Geography Nelson, 1997.
7. Singh, K.N.: People of India - An Introduction; Seagull Books, 1992.
8. Spate O.H.K and Learmonth: India and Pakistan; Metheuen, London. 1968.
9. Majid Husain – Human Geography.(English and Hindi)
10. Savindra singh – Human Geography.
11. Bruhnes – Principle of Human Geography.
12. एस. डी. कौशिक मानव भूगोल।
13. डॉ मागोरिया : चतुर्भुज मामोरिया साहित्य भवन ए हॉस्पिटल रोड ए आगरा।

Institute for Excellence in Higher Education (IEHE), BhopalB.Sc. B.A. (HONOURS): **PART-I**

SEMESTER II

SUBJECT: **GEOGRAPHY**

PART - HONOURS-II

TITLE: Physical Geography - ClimatologyMaximum Marks: **100****Climatology:** Definition & significance of climate and weather, Components**Atmosphere:** Composition & structure, Variation with altitude.**Insolation & Temperature:** Insolation, Factors affecting the distribution of insolation. Atmospheric temperature, Vertical & Horizontal distribution of temperature, Inversion of Temperature, Global Heat Budget.**Atmospheric Pressure & Winds:** Vertical & Horizontal distribution of pressure on earth.**Winds:** Planetary, periodic and local winds, Jet stream, Air Masses & fronts.**Cyclone:** Tropical & Temperate cyclones, origin & mechanism, other atmospheric distribution.**Atmospheric Moisture:** Evaporation, Humidity, Condensation. Forms of Condensation:

Precipitation, formation of precipitation, types of precipitation. Distribution of rainfall in world.

Hydrological cycle

Classification of Climate: Types of Climate, Classification of Climate by Koppen's and Thornthwaite, Climate Change - Causes and consequences, Green house effect, Global warming.**Books Recommended:**

1. Barry R.G & Chorley, R.J.: *Atmosphere - Weather and Climate*, Roulledge, 1998
2. Crichfield, H.: *General Climatology*, Prentice- Hall New York, 1975
3. Das, P.K.: *The Monsoons*; National Book Trust, New Delhi, 1968
4. Lydolph, Paul, E: *The Climate of the Earth*; Rowman and Allanheld, Totowa, N.J., 1985
5. Stranger, E.T.: *Foundation of Climatology*; Surjeet Publications, Delhi, 1982
6. Trewatha, G.T.: *An Introduction to Climate*, McGraw Hill, New York, 1980
7. Oliver, J.E. and Hidore, J.J. 2002: *Climatology and Atmospheric Science*, Pearson Education, New Delhi
8. Gupta L. S (2000) जलवायु विज्ञान, दिल्ली विश्वविद्यालय।
8. लाल डी. एस.: जलवायु विज्ञान, शारदा पुस्तक भवन, इलाहाबाद
9. गौतम, अलका: जलवायु और समुद्र विज्ञान, चैतन्य प्रकाशन, कोल्हापुर
10. सिंह एस.: जलवायु विज्ञान, प्रयाग पुस्तक भवन इलाहाबाद।

Institute for Excellence in Higher Education (IEHE), Bhopal

B.Sc. B.A. (HONOURS): **PART-I**

SEMESTER: **II**

SUBJECT: **GEOGRAPHY**

PAPER: **HONOURS-I**

TITLE: Population Geography

Maximum Marks: **100**

Nature and Scope of Population Geography: Sources of data. Distribution, density and growth of world population, Determinants of world patterns. The Indian scenario. Physical, economic and social factors affecting distribution, concept of over population, under population and optimum population. Zero Population growth.

Composition of population in India: Age and Sex, Rural and Urban, Fertility Mortality and Literacy characteristics, Economic Composition. Population explosion.

Migration: Classification, Determinants and consequences of migration. World regional patterns, Migration in India.

Population Theories: Classical (Malthus) and Modern (Demographic transition)

Population regions of India: Problems of over population in India and remedial measures. Ageing of Population, Decline of sex ratio and other issues. Population programs and population policy of India (According to five year plans).

Book recommended:

1. Beaujeu-Garnier J.: *Geography of Population* (Translated by Beaver, S.H); Longmans, London, 1996
2. Census of India 2011, Series-I *India Population Totals*, Registrar General and Census Commissioner, India 2011.
3. Chandna, R.C.: *Geography of Population – Concepts, Determinants and Pattern*; Kalyani Publishers New Delhi, 2000
4. Clark J.I.: *Population Geography*; Pergamon Press, New York
5. Sundram K.V. & Nangia Sudesh, (editors): *Population Geography*; Heritage Publishers, Delhi, 1986
6. Peter G.L and Larklim R.P.: *Population Geography - Problem, Concept and Prospects*; Kendele-Hunt Iowa, 1979
7. Srinivasan K.M.: *Population Development Nexus in India: Challenges for the New Millennium*; Tata McGraw Hill New Delhi, 2001
8. Trewartha G.T.: *A Geography of Population - World Patterns*; John Wiley & Sons Inc., New York, 1969
9. UNDP - *Human Development Report*, Oxford University Press, 2001
10. Zelinsky W. A.: *Prologue to Population Geography*; Prentice-Hall, Englewood Cliffs

Institute for Excellence in Higher Education (IEHE), Bhopal

B.A. (HONOURS): PART-II

Semester: III

SUBJECT: GEOGRAPHY

PAPER: HONOURS-I

TITLE: Urban Geography

Maximum Marks: 100

SYLLABUS

Meaning and scope of Urban Geography: Concepts and development of subject.

Rural & Urban settlements: Definition and types, Origin & development of urban settlements.

Concept of Urbanisation: Growth poles, Growth centres, Growth points and service centres. Urbanization in World, Trends of Urbanization in India.

Classification of Town: Functional Classification, Classification of Towns by age, location & site of towns, Morphology of Towns, Functional Zones of Urban places, CBD, Theories and models of Urban growth - Concentric Zone theory, Sector theory, Multiple-nuclei theory.

Location of Urban settlement: Central place theory, factors effecting location of cities.

Sprawl of urban centres: Rural urban fringe, Umland & Hinter Land.

Impact of Urbanisation- Economic & Social: Impact Problems of Urbanisation- Urban poverty, Crimes, Slums and Pollution, Urban Planning. Urban Policy of India.

Books Recommended:

1. Bose A.: India's urbanization 1947-2000; Tata McGraw hill, New Delhi.
2. Carter H.: The Study of Urban Geography; Edward Arnold, London, 1972.
3. Chisholm, M.: Rural Settlement and Land Use, Hutchinson, London, 1970.
4. Johnson, J.H.: Urban Geography: An Introductory Analysis, Pergamon press, London, 1967.
5. Krishan G.: Nagar Bhoogol; Punjab state university text book board, Chandigarh (Punjab).
6. Mayer H. M. & Kohn, C.F (eds): Reading in Urban Geography, Chicago printing press, Chicago. 1967.
7. Mukherji, R.K: Man and his habitation; Popular books, Bombay, 1968.
8. Nangia S: Delhi Metropolitan Region, Rajesh publications, 1976.
9. बंसल, सुरेशचन्द्र: नगरीय भूगोल, मीनाक्षी प्रकाशन, बेगमब्रिज, मेरठ 14, अंसारी रोड, दरियागंजन, नई दिल्ली।
10. Mandal R. B.: Urban Geography, Concept Publication Company, New Delhi 2000

*Institute for Excellence in Higher Education (IEHE), Bhopal*B.A. (HONOURS): **PART-II**Semester: **III**SUBJECT: **GEOGRAPHY**PAPER: **HONOURS-II / SUBSIDIARY****TITLE: Oceanography & Bio Geography**MARKS: **100****SYLLABUS**

Oceanography: Definition and scope, Relevance of Oceanography in earth & atmospheric sciences, Development of Oceanography

Configuration of Ocean Floors: Distribution of land and water on earth, Hypsographic curve & Hypsometric graph, Ocean bottom relief-continental shelf, continental slope, Continental rise, abyssal Plains and hills, ridges & rises, ocean deeps & trenches, Bottom Topography of Pacific Atlantic & India ocean.

Temperature, Salinity and Density of Ocean Water: World distribution, Ocean deposits, Oceanic movement waves, tides and currents. Major currents of different Oceans.

Coral Reefs: Origin, types and distribution Theories of origin of coral reefs Darwin, Murray and Gardiner.

Bio Geography: Definition nature scope and importance Origin & evolution of life on earth, extinct-animal & plants, Causes and solution.

Ecosystem: Structures & Components, Food chain, Food web, Ecological pyramids

Biomes: Classification of Biomes, Geographical distribution of animals & Plants, Zoo Geographical region, Phytogeographical regions of India. Agents of biogeographic pattern & ecological control, Economic importance of Bio Geography

Books Recommended:

1. Barry R.G & Chorley, R.J.: Atmosphere- Weather and Climate, Rouledge, 1998.
2. Critchfield, H.: General Climatology, Prentice-Hall New York, 1975.
3. Das P.K.: The Monsoons; National Book Trust, New Delhi, 1968.
4. Lydolph, Paul, E: The Climate of the Earth; Rowman and Allanheld, Totowa, N.J., 1985.
5. Stringer, E.T. Foundation of Climatology; Surjeet Publications, Delhi, 1982.
6. Trewatha, G.T.: An Introduction to Climate, McGraw Hill, New York, 1980.
7. डी.एस. लाल-जलवायु विज्ञान
8. अल्का गौतम-जलवायु और समुद्र विज्ञान
9. Crald, S: General Oceanography – An Introduction; John Wiley & Sons, New York, 1980.
10. Garrison, T: Oceanography; Wadsworth. Com. USA 1998.
11. King, C.A.M.: Oceanography for Geographers; E. Arnold, London, 1975.
12. Sharma, R.C. Vatel M.: Oceanography for Geographer, Chetnya publishing house, Aligarh, 1970.
13. Shepard, F.P: Submarine Geology; Harper & sons, New York, 1948.
14. Weisberg, J. and Howard: Introductory Oceanography, McGraw-hill book Co. New York, 1976.
15. बलवीर सिंह नेगी-जलवायु और समुद्र विज्ञान

Institute for Excellence in Higher Education (IEHE), Bhopal

B.A. (HONOURS): PART-II

Semester: IV

SUBJECT: GEOGRAPHY

PART: HONOURS-I

TITLE: Geography of Tourism

Maximum Marks: 100

Geography of Tourism: Definition, Meaning and Scope, Elements of Tourism, Factors effecting Tourism, Historic Development of Tourism, Approaches of Tourism study.

Tourism Industry: Structure & Components

Accommodation, Transport, Activities, Attraction (Entertainment, Hospitality, Heritage, Nature) etc. Tourism network

Types & Trends in Tourism: Nature Tourism, Cultural Tourism, Pilgrimage, Modern Trends of Tourism- Medical, Adventure, Eco, Educational Tourism etc. International and Domestic scenario, Sustainable Tourism

Tourism & Development: Responsible Tourism, Role and Function of World Tourism Organization (WTO), Pacific Asia Travel association (PATA), (ITDC) Ministry of Tourism, Govt. of India, MP Tourism Development Corp. LTD.

Impact of Tourism: Social impact, Economic impact, Environmental impact.

Tourism Destinations Planning, Policies & Strategies

Books Recommended:

1. Bhardwaj (eds.): *International Tourism - Issues and Challenges*, Kanishka New Delhi
2. Bhatia, A.K. 1991: *International Tourism - Fundamentals and Practices*, Sterling Publishers, New Delhi
3. Boniface B.G. and Chris C., 2005: *Worldwide Destination - The Geography of Travel and Tourism*, Elsevier Butterworth – Heinemann, Oxford
4. Dhar P.N.: *International Tourism - Emerging Challenges and Future Prospects*, Kanishka, New Delhi, 2006
5. Hall M. and Stephan P., 2006: *Geography of Tourism and Recreation – Environment, Place and Space*, Routledge, London
6. Rao, M.S.A.: *Urban Sociology in India*, Orient Longman, 1997
7. Abbasi, A.A : *Geographical Basis of Tourism*, Penguin Publication, Sudama Nagar Indore, M.P.
8. Oage, S.J. (2011): *Tourism Management: An Introduction*, Butterworth- Heinemann- USA
9. Singh Jag (2014): *Eco Tourism*, Published by I.K. International Pvt. Ltd.
10. Dixit, N.K.: *Tourism Geography*, Vista International Publishing House, New Delhi
11. मानसिखा चतुर्भुज: यात्रा एवं पर्यटन का भूगोल, एस.बी.ई.डी. पब्लिकेशन, नई दिल्ली

Institute for Excellence in Higher Education (IEHE), Bhopal**B.A (HONOURS): PART-II****Semester IV****SUBJECT: GEOGRAPHY****PAPER: Honours-II****TITLE: World Economic & Resource Geography****Maximum Marks: 100**

Economic Geography: Definition, nature & scope of Economic Geography, Approaches and significance of Economic Geography.

Economic Activities: Classification of Economic activities- primary, secondary, tertiary, quaternary, quinary activities, Factors affecting economic activities.

Theories regarding location of economic activities -

1. Agriculture - Von thunen
2. Industries - Alfred Weber's
3. Tertiary - Location & Nature
4. Quaternary - Location & Nature

Resources: Definition Meaning & Classification of resources, Renewable & Non Renewable. Biotic and Non Biotic resources. Conservation of Resources- Issues and Challenges

World Distribution & production of resources

- | | | |
|-----------------|---|--|
| Forest | - | Types & distribution |
| Soil | - | Types & distribution |
| Water | - | Global water cycle, World demand of water, Distribution of fresh water resources, Fisheries. |
| Human Resources | - | Population Distribution in World |
| Agriculture | - | Wheat, Rice, Cotton, Tea, Sugar and Rubber |
| Mining | - | Iron, Copper, Manganese, Bauxite |
| Power | - | Conventional & Non Conventional resources- Coal, Petroleum, Hydro, Solar, Wind & Tidal energy, Bio-energy. |

Industry: Iron & Steel, Cotton Industry, Footloose Industry, Rural Industry.

Industrialization: Factor effecting industrialization, Industrial region of world. Impact of Industrialization with special reference to India & Industrial policy of India.

Trade & Transport: World trade scenario, world economic blocks & Global Conflict. (GATT, WTO, Asian IMF, BRICS, OPEC, APCC, EEC, FAO)

Modes of transport, Transport Network, Concept of Distance, Accessibility and Connectivity. Relative Cost and advantage of different mode of transport.

Books Recommended:

1. Alexander, John W.: *Economic Geography*; Prentice Hall of India Ltd., New Delhi, 1988
2. Chandna, R.C: *Geography of Population: Concept, Determinants and Patterns*, Kalyani Publishers, New Delhi, 1986
3. Hagget, Peter: *Geography – A Modern Synthesis*, Harper & Row Publishers, New York, 1975
4. Janaki, V.A.: *Economic Geography*, Concept Publishing Co. New Delhi, 1985
5. Morgan, G.C., Leong G.C.: *Human and Economic Geography*; Oxford University Press, London
6. Sharma, H.S. and Chattopadhyay, S.K.: *Sustainable Developments Concepts and Issues*; Concept Publication, New Delhi
7. Boesch, H.: *A Geography of World Economy*; D Van Nostrand co. New York 1964
8. Hartshorne, T.N. and Alexander J.W.: *Economic Geography*, Prentice Hall, New York, 1988
9. Millar, E.: *Geography of Manufacturing*, Prentice Hall, New York, 1962
10. Raza, M. and Agrawal Y.: *Transport Geography of India*; Concept, New Delhi, 1986
11. Thomas, R.S: *The Geography of Economic Activities*; McGraw Hill, New York 1962
12. Negi, Balbir Singh – *Resource Geography*
13. Gautam, Alka: *Economic Geography, Sharda Pustak Sadan, Allahbad*
14. Gautam, Alka: *Resource Geography, Sharda Pustak Sadan, Allahbad*
15. नेगी, बी. एस.: संसाधन भूगोल, केदारनाथ रामनाथ प्रकाशन, मेरठ उ.प्र.
16. जैन पी.: आर्थिक भूगोल की समीक्षा, रस्तोगी प्रकाशन, शिवाजी रोड, मेरठ, उ.प्र.
17. गोय्य, एस.डी.: संसाधन भूगोल, प्रब्लिका पब्लिकेशन, इलाहबाद

Institute for Excellence in Higher Education (IEHE), Bhopal

B.A. (HONOURS): PART-III

Semester V

SUBJECT: GEOGRAPHY

PAPER: HONOURS-I

TITLE: Remote Sensing and Geographical Information System (GIS)

Maximum Marks: 100

SYLLABUS

Remote Sensing: Meaning and Scope: Development of Remote sensing, relevance of remote sensing geographical studies, components and process of remote sensing, Sources of energy, energy interaction with atmosphere and earth surface, Remote sensing platforms and sensors.

Air Photos and Photogrammetry: Element of photographic system – types, scale and ground coverage, resolution.

Satellite Remote Sensing: Satellite Data acquisition, geometric and radiometric correction of data, satellite Imagery, Interpretation of remote sensing Data, visual and digital interpretation techniques, Ground truth collection (survey).

Geography and Geographic information system: Definition and development of GIS, Elements of GIS, computer environment for GIS.

GIS data base: Integration of GIS with remote sensing and Global Positioning System (GPS).

Application of GIS: Application of GIS in the development of different types of information system. Land use, Land Cover, Urban Sprawl, Forest Monitoring, Environment planning, Resource & Disaster management and urban planning.

Books Recommended:

1. Barrett E.C and L.F. Curtis: Fundamentals of Remote sensing and Air photo interpretation, Mcmillan, New York, 1992.
2. Campbell J: Introduction to remote sensing; Guilford, New York, 1989.
3. Curran, Paul J: Principles of remote sensing; Longman, London, 1985.
4. Ford R.M: Digital Image processing of remotely sensed data; Academic, New York, 1989.
5. Luder D.: Aerial photography interpretation: Principles and application, McGraw hill New York, 1959.
6. Rao D.P. (eds.) : Remote Sensing for Earth Resources; Association of Exploration Geophysicist, Hyderabad, 1998.
7. Thomas M. Lillesand and Ralph W. Kefer: Remote Sensing and image interpretation; John Wiley & sons, New York, 1994.
8. Fazal Shabhab: Remote sensing Basics; Kalyani Printings B15 sector.

*Institute for Excellence in Higher Education (IEHE), Bhopal***B.A. (HONOURS): PART-III****Semester: V****SUBJECT: GEOGRAPHY****PAPER: HONOURS-II/SUBSIDIARY****TITLE: Geography of India with Special Reference to Madhya Pradesh****Maximum Marks: 100****SYLLABUS**

India: Site and situation, land of diversities, Unity within diversity. Basic Geology- Physiographic regions, Drainage,

Climate: Mechanism of Indian Monsoon, climatic divisions, Bio-Diversity.

Soil and natural vegetation,

Agriculture: Main characteristics of agriculture and problems of Indian agriculture Green revolution. Major crops of India (wheat, rice, tea, cotton, sugarcane and soya bean) Agricultural regions and Agroclimatic regions of India. River valley projects.

Mineral and energy resources of India,

Major Industries of India: (Textile, Sugar, Iron & Steel, Cement, IT) Transport, International trade, Major Ports.

Geography of Madhya Pradesh: Physical division, Drainage, Soil, Forest, Minerals (Bauxite, Manganese, Iron copper, Mica) Major crops, (Wheat, cotton, soya bean). Power resources- River valley projects (Narmada valley). Industries (Cement, Cotton) and Small scale & Rural industries. Industrial Parks- Case study of - Mandideep, Pithampur and Mahurajpura), Population (distribution, density) & Tribes.

Books Recommended:

1. Deshpande C.D.: India – A regional interpretation; Northern book center, New Delhi, 1992.
2. Govt. of India: India – Preference annual, 2001; Pub. Div, New Delhi, 2001.
3. Govt. of India: National Atlas of India; NATMO Publication, Calcutta.
4. Govt. of India: The Gazetteer of India. Vol I & III publication division, New Delhi, 1965
5. Mitra, A.: Level of regional development of India, Census of India, Vol I, part I -New Delhi, 1967.
6. Singh, R.L (ed): India: A regional Geography, National Geographical Society, India. Varanasi, 1971.
7. Spate, O.H.K and Learmonth, A.T.A. : India and Pakistan – Land people and economy. Methuen & Co., London, 1967.
8. Valdiya, K.S: Dynamic Himalaya, University press, Hyderabad, 1998.
9. Wadia, D.N.: Geology of India, McMillan & co. London, 1967.
10. मध्यप्रदेश का भूगोल: डॉ. प्रमिला कुमारी, मध्यप्रदेश हिन्दी ग्रन्थ अकादमी भोपाल
11. भारत का भूगोल मध्यप्रदेश के विशेष संदर्भ में : डॉ श्री कलम शर्मा , मध्यप्रदेश हिन्दी ग्रन्थ अकादमी भोपाल

Institute for Excellence in Higher Education (IEHE), Bhopal

B.A. (HONOURS): PART-III

Semester VI

SUBJECT: GEOGRAPHY

PAPER: Honours-II/Subsidiary

TITLE: Evolution of Geographical Thought

Maximum Marks: 100

Development of Geographical thought in ancient period: Greek, Arab, Roman geographers. Geographical knowledge in ancient India.

Contribution of various schools of thought in Modern Geography (19th c): German school – Ritter, Humboldt, Ratzel, French school – Vidal De La Blache, Jean Bruhns, American school – Semple, Davis, British school – Herbertson, Mackinder. Important geographical thinkers of India.

Trends in Geography: Quantitative Revolution, Behaviouralism, Humanistic and Radical approaches in Geography. Post modernism. Changing concept of Geography in the 20th century. Methodological developments and changing Paradigms.

Books Recommended:

1. Hartshorne R.: *Perspective on Nature of Geography*; Rand Mac Nally & Co, 1959
2. Husain M.: *Evolution of Geographical Thought*; Rawat Publication Jaipur 1984
3. Minshull R.: *The Changing Nature of Geography*; Hutchinson University Library London, 1970
4. Dikshit, R.D (ed.): *The Art & Science of Geography*; Prentice Hall of India, New Delhi, 1994
5. Taylor, G. (ed.): *Geography in Twentieth Century*, London, 1951
6. Wooldridge, S.W.: *The Spirit & Purpose of Geography*; Hutchinson, London 1955
7. Mishra, H.N.: *Research Methodology in Geography*, Rawat Publication, Jaipur
8. Negi, B.S.: *Geographical Thought*; Kedar Nath Ramnath, Meerut and Delhi
9. Dixit, R.D.: *Geographical Thought: A Contextual History of Ideas*, PHI Learning Private Ltd.
10. कौशिक, एस.डी. : भौगोलिक विचार धाराएँ एवं विधि तंत्र, मेरठ
11. जैन एस.एस. : भौगोलिक चिंतन के एवं विधि तंत्र, साहित्य भवन, आगरा, 1987
12. सिंह, जगदीश : भौगोलिक चिंतन के मूल आधार, ज्ञानोदय, गोरखपुर

Institute for Excellence in Higher Education (IEHE), Bhopal**B.A. (HONOURS): PART-III****Semester VI****SUBJECT: GEOGRAPHY****PART-B Honours-I****TITLE: ENVIRONMENT AND DISASTER MANAGEMENT**

Maximum Marks: 100

Environment - Definition, Components & Classification, Geography as study of Environment, Approaches & Methodology, Man Environment Relationship, Ecosystem and Ecological balance.

Biosphere - Components and evolution, Biomes & Bio diversity - Forest reserves, Wild life-Sanctuary & National park (World & India).

Environment Degradation - Meaning and types. Environmental Pollution, Types, Causes & Impact. Climate change and Global warming.

Conservation and management of Environment & policies - World summits, India's Environment Policy.

Disaster Management - Meaning and Concept of Disaster, Difference between Hazard & Disaster, Classification of Disasters.

Natural & manmade disaster - Causes & Impact Natural Disaster and Hazards- Flood, fire, land slide, Earthquake, Cyclone, Tsunami.

Manmade Disaster - Industrial Hazards, Nuclear, accident, Chemical, Biological Threat, War, Explosion Disaster management - mitigation & preparedness, Disaster recovery.

Books Recommended:

1. Gupta, Harsh K.: *Disaster Management*, University Press, Hyderabad
2. Singh, Savindra: *Geography of Environment* (Hindi and English) Prayag pustak bhavan, Allahabad
3. Minsall, R.: *The Changing Nature of Geography*; Hutchinson University Library, London 1970
4. Wooldridge, S.W.: *The Geographer as Scientist*; Thomas Nelson and Sons Ltd, London 1956
5. Geol. S.L.: *Encyclopedia of Disaster Management*, 2001 Vol. 1, 2 and 3; Deep and Deep Publication, New Delhi
6. Kapur, A. 2010: *Vulnerable India- A Geographical Study of Disasters*; Sage Publication, New Delhi
7. Keller, E.A. and Blodgett R.H., 2006: *Natural Hazards- Earth's Processes as Hazards*, Disaster and Catastrophe; Prentice Hall, New Jersey
8. Singh, R.B. (eds) 2006: *Natural Hazards and Disaster Management; Vulnerability and Mitigation*, Rawat Publications, New Delhi
9. Chandana, R.C.: 2002 *Environmental Geography*, Kalyani, Ludhiyana
10. कौशिक, एस.डी.: भौगोलिक चिंतन और विचार धाराएँ, रस्तोगी पब्लिकेशन
11. Singh, Jagdish: *Disaster Management, Future Challengers & Opportunities*, I.K. International, Publication House, Pvt. Ltd. Delhi