

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

Class- M.A.\ M.Sc. Previous GEOGRAPHY

Semester I

I Geomorphology	85+15 CCE
II Economic Geography	
III Geography of India (Physical & Resources)	
IV History of Geographical thought	
Practical Geography - 1	50
Practical Geography - 2	50

Semester II

I Climatology	85+15 CCE
II Resource Management	
III Geography of India (Economy & Regions)	
IV Geography of Environment	
Practical Geography - 1	50
Practical Geography - 2	50

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

Class- M.A.\ M.Sc. Previous GEOGRAPHY

2013-14 Onwards

Semester III (Final)

I Oceanography **85+15 CCE**

II Urban Geography

III Geography of Tourism

IV Agricultural Geography

 Practical Geography . 1 50

 Practical Geography . 2 50

Semester IV

I Research methodology in Geography (Compulsory) **85+15 CCE**

Optional Papers (Any three)

1. Remote sensing
2. Population Geography
3. Regional Planning and development
4. Bio-Geography
5. Geography of Health
6. Geography of Manufacturing
7. Political Geography.

Internship/Project (Compulsory)

Practical - I

Practical - II

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . I

M.A. / M Sc.

PAPER . I -- Geomorphology

MARKS 85+15 CCE

Course contents:-

Unit - 1 : Introduction of Geomorphology- Definition, Meaning, Nature and Scope, History of development of Geomorphology, Recent trends.

Unit - 2 : Methods of study of landforms, Fundamental concepts – In Geomorphology, & Stability and morphogenetic regions.

Unit - 3 : Earth movements – Epeirogenic, Orogenic Structures with reference to evolution of Himalaya, Plate tectonic, Seismicity, volcanicity.

Unit - 4 : Earth Movements – Exogenic, weathering, Denudation- Cycle of Erosion, Agents of erosion-fluvial, glacial, Aeolian, marine and Karst Processes.

Unit - 5 : Mass wasting, Theories related to development of slope, Environmental change – Climatic change and geo-chronological methods, Applied geomorphology in hydrology, Urban, environment and hazards. Plate tectonics, Seismicity, Volcanicity, orogenic structures with reference to evolution of Himalayas.

Suggested Readings:-

1. Chorley R.J.: . Spatial Analysis in Geomorphology Methuen, London, 1972
2. Davis, W.M. : Geographical Essays, Dover, New York, 1964.
3. Sharma, H.S. (ed.) : Perspectives in Geomorphology, Concept, New Delhi 1980
4. Thornbury.W.D. : Principles of Geomorphology, John Wiley, New York, 1960.
5. Oliver, C.D. Weathering, Long man, London, 1979.
6. Garner, H.F. The Origin of Landscape - A Synthesis of Geomorphology, Oxford University Press, London, 1974.
- 7- सिंह, सविन्द्र : भू आकृति विज्ञान, वसुंधरा प्रकाशन, मेरठ

8. कौशिक, एस.डी. : भू आकृति विज्ञान, रस्तोगी, मेरठ
9. शर्मा, हरिशंकर, प्रमिला कुमार : भू आकृति विज्ञान, म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल
10. मामोरिया और न्याति : भू आकृति विज्ञान, शिवलाल, आगरा
11. राठौर, भरतसिंह : भू-वैज्ञानिक संरचनाएँ, म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल।

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . I

M.A. / M Sc.

PAPER . II -- Economic Geography

MARKS 85+15 CCE

Unit-1 Definition, Scope, content and recent trends in economic geography, relation of economic geography with economics and other branches of social sciences. location of economic activities and spatial organization, classification of economies. Sector of economy (primary, secondary and tertiary).

Unit-2 Factors of localization of economic activities: Physical, social, economic, and cultural, concepts and techniques of delimitations of agriculture region, crop combination and diversification, Von Thune's model and its modification.

Unit-3 Classification of industries: Resources based on foot-loose industries. Theories of industrial localization-Weber, Losch and Isard: case studies of selected industries-Iron and steel, Aluminum, Cotton textile & Sugar.

Unit-4 Modes of transportation and transport cost: accessibility and connectivity, Typology of market, network in rural society, market system in urban economy, role of market in the development of trade and commerce.

Unit-5 Economic development of India. Regional disparities. Impact of green revaluation on Indian economy, globalization and Indian economy its impact on environment.

Suggested Readings:-

BerryB.J.L. :Geography of market centres and retail distribution ,
prentice hall New k 1967

Chatterjee,S.P. : Economic geography of Asia, Allied Book Agencies,
Calcutta. 1984

Draze, J and Sen A India : Economic development and social opportunities, oxford university press , New Delhi 1996

सिंह के एन एवं सिंह जे आर्थिक भूगोल के मूलतत्व ज्ञानोदय प्रकाशन, गोरखपुर 2001
श्रीवास्तव वी.के. एवं राव वी.पी.—आर्थिक भूगोल, वसून्धरा प्रकाशन, गोरखपुर, 2001
सिन्हा बी.एन.पी. एवं अन्य आर्थिक भूगोल राजेण पब्लिकेणन्स, नई दिल्ली 2000

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . I

M.A. / M Sc.

PAPER . III -- Geography of India: Physical & Resources

MARKS 85+15 CCE

Unit . I

India : Characteristics of location, Unity and diversity. Major terrain units and their characteristics, drainage system and their functional significance to the country.

Unit . II

The Indian monsoon, regional and seasonal variation of weather, climatic division : Soil types . their characteristics, distribution and problems ; forest resources and their conservation.

Unit- III

Mineral and power resources . reserves, production and problems of conservation of major minerals.

Unit - IV

Water Resources . potential of water resources, their regional distribution and utilization . development and spatial pattern.
Resource regions of India.

Unit . V

Population . number, distribution and growth with special reference to post-Independence period and its implication, Literacy and education . spatial patterns. Urbanization and characteristics of Indian cities.

Suggested Readings :

1. Das P.K. : The Monsoon. The National book Trust of India, New Delhi.

2. Deshpande, C.D. : India . A Regional Interpretation, Northern Book Centre, New Delhi.
3. Mukerjee, A.B. & A. Azazuddin India . Culture, Society & Economy, Inter India New Delhi.
4. Singh Jagdish ;India, Gyanoday Gorakpur
5. Singh R.L., ed. India . A Regional Geography, N.G.S. India Varanasi. 1971
6. Tiwari R.C. Geograhpy of India Allahabad : Prayag Pustak Bhawan, 2003
- 7- अग्रवाल पी.सी. भारत का भूगोल एशिया प्रकाशन कम्पनी रायपुर
- 8.. तिवारी विजय कुमार : भारत का भूगोल, हिमालय पब्लिकेशन, मुम्बई 2000
9. बंसल सुरेश चन्द्र : भारत का वृहद भूगोल, मीनाक्षी प्रकाशन, मेरठ
10. तिवारी, विश्वनाथ—भारत का भौगोलिक स्वरूप राम प्रसाद एण्ड सन्स ।
11. प्रमिला कुमार, मध्यप्रदेश : एक भौगोलिक अध्ययन, मध्यप्रदेश हिन्दी ग्रंथ एकादमी, भोपाल ।
12. सिंह जगदीश : भारत का भूगोल, ज्ञानोदय प्रकाशन, गोरखपुर ।

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . I

M.A. / M Sc. PREVIOUS

PAPER . IV

History of Geographical Thoughts

MARKS 85+15 CCE

Course contents

Unit - 1 : The field of geography; Definition, aim, scope and nature of geography. Its place in the classification of sciences. Geography as a social science and natural science. Selected concepts in the philosophy of geography; distribution, relationships, interactions, areal differentiation and spatial organisation.

Unit - 2 : Development of geographical thought in ancient periods; Greek, Arab, Roman geographers. Geographical knowledge in Ancient India.

Unit - 3 : Contribution of various schools of thought in modern Geography (Geographers of Nineteenth Century) The German School - Ritter, Humbolt, Ratzal, The French School - Blache,

Brunche, The Americans School - Sample, Davis, Harbertson, the British School, School, Mackinder.

Unit - 4 : Environmental Determinism, Possibilism and Neo-Determinism. Changing paradigms Laws Theories & onadets, development of posit.

Unit - 5 : Dualism in Geography; Systematic and Regional Geography, Physical and Human Geography. The Myth and reality about dualism. Quantitative revolution.

Suggested Readings

1. Hartshorne R. : Perspectives on Nature of Geography Rand McNally & Co. 1959.
2. Husain M. : Evolution of Geographic 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, Readings, prentice Hall of India, New Delhi, 1994.
5. Taylor, G. (ed.) : Geography in Twentieth Century Methuen, London, 1951
6. Wooldridge S.W. : The Spirit & Purpose of Geography Hutchinson, London, 1955.
7. कौशिक, एस.डी. : भौगोलिक विचारधाराएँ एवं विधि तंत्र, मेरठ
8. जैन, एस.एस. : भौगोलिक चिंतन एवं विधि तंत्र, साहित्य भवन, आगरा, 1987
9. सिंह जगदीश : भौगोलिक चिंतन के मूल आधार, ज्ञानोदय, गोरखपुर
10. Mishra H.N. : Research Methodology & Paradigma

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . I

M.A. / M Sc. PREVIOUS

Geography practical-I

M.M.-50

Scheme of Marks

Lab work - 30 Marks

Record - 10

Viva-voce - 10

Unit-1

Mathematical Construction of cylindrical projection – Simple cylindrical, cylindrical Equal Area and Mercator's Projection .

Unit-2

Mathematical Construction of Conical Projection : Conical one and Two Standard parallel, Bonnie's and poly conic projection .

Unit-3

Representation of Geographical data& Lorenz curve
Ergo7graphy, Band graph, Rainfall dispersion diagram- Trend line.

Unit-4

Pyramid compound wind Rose, Triangular, water surplus diagram.

Unit-5

Detail Interpretation of Toposheets.

SEMESTER . I

M.A. / M Sc. PREVIOUS

Geography practical-II

Geographical Excursion and Report Writing.

M.M.-50

Scheme of Marks

Report writing - 20 Marks

Presentation - 15

Viva-voce - 15

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . II

M.A. / M Sc. PREVIOUS

PAPER . - Climatology

MARKS 85+15 CCE

Unit I Nature and scope of climatology and its relationship with meteorology. Composition, mass and structure of the atmosphere.

Unit II Insolation heat balance of the earth, green house effect; vertical and horizontal distribution of temperature.

Unit III Atmospheric motion: Forces controlling motion of air vertical motion, local winds, jet stream. monsoon winds, El Nino , cyclones, General circulation in the atmosphere.

Unit IV Atmospheric moisture: Humidity, evaporation, condensation, precipitation: formation, types ,acid rain, world pattern of precipitation.

Unit V Climatic classification of Koppen, and Thornwaite, Major Climates of the world tropical , temperate, desert and mountain. Climate.

Suggested Readings.

Berry,B.J.L. and Chorley, P.J. Atmosphre weather and climate, routledge , London and new york, 1993

Critchfield , J.S. General climatology prentice Hall , India, 1993

Peterson, Introduction to meteorology McGraw Hill Book London, 1969

Lal, D.S. Climatology chaitanya publication, Allhabad, 1986

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . II

M.A. / M Sc. PREVIOUS
PAPER . II

Resource Management

MARKS 85+15 CCE

Unit . I

Meaning, nature and classification of resources, culture and resources.

Unit . II

Resource appraisal . methods and techniques, land evaluation . concept and methods.

Unit . III

Resource allocation, concept, methods and techniques; Perspectives of resource development ; Conservation of resources : meaning, principles philosophy and approaches of resource conservation.

Unit . IV

Concept of resource management, theories of resource management; difference between resource development, conservation and management. Evaluation of social costs and benefits, status of common property resources : perception. Decision making in resource management.

Unit . V

Use and misuse of resources : global and Indian scenario, resource development policies in India. Environmental perception in resource management, impact assessment; natural hazards and risk management; sustainable resource management.

Suggested Readings :

1. Burton, I. And R.W. Kates : Readings in Resource Management and Conservation. Chicago Univ. Press. 1965
2. Chorley, R.J. ed. : Water, Earth and Man, Methuen, London, 1969
3. Cook, R.U. & J.C. Doornkamp : Geomorphogy in Environmental Management. Oxford, 1973.
4. Dawson J.A. & J.C. Doornkamp, eds : Evaluating the Human Environment. Edward Arnold, London, 1965.
5. Firey, W.I. Man, Mind and Lan : A Theory of Resource Use. Free Press, Glencoe, 1960.
6. F.A.O. of U.N. : A Framework for Land Evaluation. Soil Bullet 32, Rome, 1979.
7. Holechek, J.L. et al : Natural Resources : Ecology, Economics and Policy. Prentice Hall, New Jersey, 2000.
8. Kates, R.W. & I. Burton, eds : Geography Resources and Environment ; Vol. I & II. Unitersty of Chicago Press, Chicago 1986.
9. Maritino, R.L. : Resource Management. Mc Graw Hills, London 1969.
10. Mitchell, Bruce : Geography and Resource Analysis. Longman, London, 1979
11. Owen, S.& P.L. Owens : Environment Resource & Conservation. Cambridge Unitersty Press, New York 1991.

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . II

M.A. / M Sc. PREVIOUS

PAPER . III

Geography of India: Economy and Regions

MARKS 85+15 CCE

Unit-I

Economy ; An overview of Indian economy and impact of globalization on it. Cultivated lands- land use patterns, major crops and problems of agriculture.

Unit-II

Technological development in agriculture- Green revolution and its

consequences; productivity of agriculture . determinents and pattern: agricultural regionalization of India.

Unit III

Industry- industrial development; and overview; locational factors and spatial pattern of major industries in India . iron and steel , engineering goods, textiles, chemicals , cement, sugar and paper; industrial regions of India.

Unit IV

Transport and trade : Development of transport network, different mode of transport and their significance, internal and international trade of India- composition and change

Unit V

Regions of India . Basis of regional division ; macro and meso regional division of India by OHKSpate and R.L. singh ; detailed study of Narmada Basin ,Malwa plateau , Bundelkhand upland, Chhatisgarh Basin and Marusthali .

Suggested Readings :

- 1 Das P.K. : The Monsoon. The National book Trust of India, New Delhi.
- 2 Deshpande, C.D. : India . A Regional Interpretation, Northern Book Centre, New Delhi.
- 3 Mukerjee, A.B. & A. Azazuddin India . Culture, Society & Economy, Inter India New Delhi.
- 4 Singh Jagdish ;India, Gyanoday Gorakpur
- 5 Singh R.L., ed. India . A Regional Geography, N.G.S. India Varanasi. 1971
- 6 Tiwari R.C. Geograhpy of India Allahabad : Prayag Pustak Bhawan, 2003
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- 8.. तिवारी विजय कुमार : भारत का भूगोल, हिमालय पब्लिकेशन, मुम्बई 2000
9. बंसल सुरेश चन्द्र : भारत का वृहद भूगोल, मीनाक्षी प्रकाशन, मेरठ
10. तिवारी, विश्वनाथ-भारत का भौगोलिक स्वरूप राम प्रसाद एण्ड सन्स ।
11. प्रमिला कुमार, मध्यप्रदेश : एक भौगोलिक अध्ययन, मध्यप्रदेश हिन्दी ग्रंथ एकादमी, भोपाल ।
12. सिंह जगदीश : भारत का भूगोल, ज्ञानोदय प्रकाशन, गोरखपुर ।

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2013-14 Onwards

SEMESTER . II

M.A. / M Sc. PREVIOUS
PAPER . IV
Geography of Environment

MARKS 85+15 CCE

Unit . I

Environment : Meaning, definition, concepts and theories related to environment. Components of Environment: Classification and their interdependent relationship.

Unit- II

Development of the environmental studies and their approaches. Development of Environmentalism in Geography. Environment and Development.

Unit . III

Ecological concepts : Ecosystem : meaning, definition, concept and components. Main terrestrial ecosystems of the world . forests and agriculture. Geography as human ecology.

Unit- IV

Environmental hazards . natural and man induced hazards.

Unit- V

Environmental pollution: meaning, definition, nature and types . air, water, noise and others.

Suggested Readings :

1. Agarwal, Anil and Sunita Narain, Dying Wisdom : The Fourth Citizen Report. Center for Science and Environment, New Delhi, 1998.
2. Burton, I. ; R.W. Kates & G.F. Whiley. The Environment as Hazards. O.U.P. New York, 1978.
3. Cartledge, Bryen, Population and the Environment., O.U.P. New York 1995.
4. Chandna, R.C. : Environmental Awareness. Kalyani Publishers, New Delhi, 1998.
5. Dawson, J. and J.C. Doornkamp, eds. : Evaluating the Human Environment. Edward Arnold, London 1975
6. Detwyler, J.R. : Man.s Impact on Environment. Pelican, 1970.
7. Edington, J.M. & M.A. Edington : Ecology and Environmental planning. Chapman & Hall, London 1977.
8. Goudie, Andrew. The Human Impact on The Natural Environment. 9. Blackwell oxford. U.K. 1994.
10. Jain, R.K. L.V. Urban and G.S. Stacy. Environmental Impact Analysis . A New Dimension in Decision . Making. Van Nostrand Reinhold Co. New York, 1977.
11. Khosho, T.N. Environmental Concepts and Strategies. Ashish Publishing House, New Delhi.
12. Khanna, B.K. All you wanted to know about Disasters. New Delhi : India Publishing Agency 2006.
13. Mohan, M. Ecology and Development. Rawat Publications, Jaipur, 2000.
14. Munn, R.E. Environmental Impact Assessment : Principles and Procedures. John Wiley & Sons, New York, 1979.
15. Narain Sunita. The Citizen Fifth Report. Centre for science and Environment, New Delhi, 2003.
16. Mukerji A. and V.K. Agnihotri. Environment and Development. Concept Pub. Co., New Delhi, 1993.
17. Rudig, Wolfgang. Environmental Policy. Edward Elger Publishing Ltd, U.K. 1998.
18. Saxena, H.M. Environmental Geography. Rawat Publications. Jaipur, 2000
19. Saxena, H.M. Environmental Management. Rawat Publications. Jaipur, 2000

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21- j?kpkh v: .k vLj plnz[[k j?kpkh i ; kbj.k rFkk iznlk.k e/ ; i nsk fgluh xLFk vdkneh] Hkxky 1989A

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23- ush] ih , l - ikjflFkrh; fodkl , oalk; kbj.k Hkxky] j l rksch , .M dEiuh] ejB

24- frokjh fot ; dckj & lk; kbj.k ikjflFkrdh fgeky ; ifCydsku] fnYyh & 1998

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2013-14 Onwards

SEMESTER . II

M.A. / M Sc.

Practical Geography -I

Unit I

Relief Profile Methods of Slope analysis.

Unit II

Block diagrams, Hypsographic curve.

Unit III

Computer Cartography, Mapping & diagrams techniques.

Unit IV

Zeological Maps – terminology & interpretation

Unit V

Survey by Indian tangent clinometer, Abney Level and sextant .

Schme of Marks

1 Hour Field work	- 10
2 Hour Lab work	- 25
Record Viva	- 15

SEMESTER . II

M.A. / M Sc. PREVIOUS

Practical Geography -II

Marks; 50

Village Survey & Report Writing

Schme of Marks

Report - 20

Presentation - 15

Viva - 15