<table>
<thead>
<tr>
<th>पश्चिम</th>
<th>पश्चिम का शीर्षक</th>
<th>अधिकतम अंक</th>
<th>न्यूनतम उत्तीरणांक</th>
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<tbody>
<tr>
<td>I</td>
<td>Geomorphology I मू. आकृति विज्ञान</td>
<td>85</td>
<td>15 28 05</td>
</tr>
<tr>
<td>II</td>
<td>Economic Geography आर्थिक मूलगत</td>
<td>85</td>
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<tr>
<td>III</td>
<td>Geography of India: Physical and Resources भारत का मूलगत : भौतिक एवं संसाधन</td>
<td>85</td>
<td>15 28 05</td>
</tr>
<tr>
<td>IV</td>
<td>History of Geographical Thought भौगोलिक विचारधाराओं का इतिहास</td>
<td>85</td>
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<td>Practical Practical –I</td>
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<td>Practical Practical –II</td>
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<td>— 17 —</td>
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<table>
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<tr>
<th>सेमेस्टर</th>
<th>क्रियात्मक</th>
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</thead>
<tbody>
<tr>
<td>I</td>
<td>Climatology जलवायु विज्ञान</td>
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<tr>
<td>II</td>
<td>Resource Management संसाधन प्रबंधन</td>
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<tr>
<td>III</td>
<td>Geography of India : Economy and Regions भारत का मूलगत : अर्थव्यवस्था एवं प्रदेश</td>
</tr>
<tr>
<td>IV</td>
<td>Geography of Environment पर्यावरण मूलगत</td>
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<td></td>
<td>Practical Practical –I</td>
</tr>
<tr>
<td></td>
<td>Practical Practical –II</td>
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</tbody>
</table>

(नामतांग) 5/2/16
(DR. ANJALI VILAYE)

(नामतांग) 5/2/16
(DR. S S BAGHEL)

(नामतांग) 5/2/16
(DR. SANJAY SOHANI)
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

3/2/16
5/2/16
5/2/16
SEMESTER : I

M.A. / M Sc.
PAPER : I -- Geomorphology

MARKS 85+15 CCE

Course contents:-


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

Unit - 3 : Earth movements – Epeirogenic, Orogenic Structures with reference to evaluation of Himalaya, Plate techtonic, Seismicity, vulcanicity.


Unit - 5 : Theories related to development of slope, Environmental change – Climatic change. Applied geomorphology- Hydro geomorphology, urban geomorphology, environmental geomorphology and its application in management of natural Hazards.

Suggested Readings:-

7. सिंह, सनिद्ध : भू आकृति विज्ञान, वसुधारा प्रकाशन, मेरठ
DEVI AHILYA VISHWAVIDHYALAYA, INDORE
2015-16 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 Thunen 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 & Chemical.

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 white and blue revolution Liberalization and globalization its economic impact. Economic regions of India.

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

6-2-16

अर्थव्यवस्था मे अर्थव्यवस्था के मूलतत्त्व ज्ञानोदय प्रकाशन, गोरखपुर 2001
श्री. रावत बी.सी. एवं, रावत बी.सी.-आर्थिक भूगोल, पर्यावरण ज्ञानोदय प्रकाशन, गोरखपुर 2001
शिव बी.एन.पी. एवं अन्य आर्थिक भूगोल प्रकाशन, नई दिल्ली 2000

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2015-16 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. Geology 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:
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. Geographpy of India Allahabad : Prayag Pustak
Bhawan, 2003
7. अग्रवाल पी.सी. भारत का भूगोल एशिया प्रकाशन कम्पनी रायपुर
8. तिवारी विक्रम कुमार : भारत का भूगोल, हिमालय प्रकाशन, मुंबई 2000
9. बसल तुलसी शंदर : भारत का वृहद भूगोल, मीनाक्षी प्रकाशन, मेरठ
10. तिवारी, विश्वनाथ—भारत का भौगोलिक रूप राम प्रसाद एण्ड सांसा.
11. प्रमिला कुमार, मध्यप्रदेश : एक भौगोलिक अध्ययन, मध्यप्रदेश हिन्दी ग्रंथ एकादमी,
    मोपाल.
12. शंक जगदीश : भारत का भूगोल, ज्ञानोदय प्रकाशन, गोरखपुर.

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2015-16 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, Retzal, The French School - Blache,
Brunche, The Americans School - Sample, Davis, Harbertson, the
British School, School, Mackinder.


Suggested Readings

7. कैकिश, एल.डी.: भौगोलिक विचारधाराएँ एवं विधि तंत्र, मेरठ
8. जेन, एस.एस.: भौगोलिक विद्या एवं विधि तंत्र, साहित्य भवन, आगरा, 1987
9. रिश्ता जगदीश: भौगोलिक विद्या के मूल आधार, ज्ञानोदय, गोरखपुर
10. Mishra H.N.: Research Methodology & Paradigms
DEVIAHILYAVISHWAVIDYALAYA, INDORE
2015-16 Onwards

SEMESTER I

M.A./M.Sc. PREVIOUS
Geography practical-I

Scheme of Marks
Lab work - 30 Marks
Record - 10
Viva-voce - 10

M.M.-50

Unit-1
Mathematical Construction of Conical Projection: Conical one and Two
Standard parallel, Bonne’s and poly conic projection.

Unit-2
Mathematical Construction of cylindrical projection – Simple
cylindrical, cylindrical Equal Area Gall’s and Mercator’s Projection.

Unit-3
Representation of Geographical data & Lorenz curve Ergograph, 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.

Scheme of Marks
Report writing - 20 Marks

M.M.-50

[Signatures]
5-12-2016
5-12-2016
5-2-16
DEVI AHILYA VISHWAVIDYALAYA, INDORE
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 Thornthwaite, Major Climates of the world- tropical, temperate, desert and mountain.

Suggested Readings:
Berry, B.J.L and Chorley, P.J. Atmosphere weather and climate, routledge, London and new york, 1993
Critchfield, J.S. General climatology prentice Hall, India, 1993
Lal, D.S. Climatology chaitanya publication, Allhabad, 1986

5.2.16

5/1/16
M.A. / M Sc. PREVIOUS
PAPER II
Resource Management

Unit I
Meaning, nature, Approaches and classification of resources. Theories of resources.

Unit II
Resource appraisal, methods and techniques, land evaluation, concept and methods. Human Resources, Population pressure on land resources, Population policies

Unit III
Resource allocation, concept, methods and techniques; Perspectives of resource development; Conservation of resources: meaning, and approaches (special reference to water, forest, mineral & Soil.

Unit IV
Concept of resource management, difference between resource development, conservation and management. Status of common property resources: Kashmir, Katchi, India China boundary & India Bangladesh boundary disputes, Brahmaputra, Kosi, Kaveri & Narmada river disputes.

Unit V
Use and misuse of resources: global and Indian scenario, resource development policies in India (water, forest, mineral & soil). Environmental perception in resource management, natural hazards and risk management; sustainable resource management. Uses of Gis & Remote sensing in resource management.

Suggested Readings:

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2015-16 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, determinants and pattern: agricultural regionalization of India.

[Signatures]
5/12/2016 5/2/16 5/2/16
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. Bases of regional Classification; macro, meso and micro-regional division of India by OHK - Spate and R.L. Singh; detailed study of Narmada Basin, Malwa plateau, Bundelkhand upland, Chhatisgarh Basin and Marusthal.

Suggested Readings:

2. Deshpande, C.D.: India. A Regional Interpretation, Northern Book Centre, New Delhi.
4. Singh Jagdish; India, Gyanoday Gorakpur
7. अग्रजल पी.सी. भारत का भूगोल एशिया प्रकाशन कंपनी सागपुर
8. विनाश विजय कुमार : भारत का भूगोल. हिमालय प्रकाशन, भूगोल . 2000
9. बसुर शुभान वन्द : भारत का भूगोल. मोहन कुश्य प्रकाशन, मेरठ
10. विनाश विजय नायक : भारत का मौलानिक सम्प्रदाय प्राताद के एड संस कारक ।
11. प्रभास कुमार, महाप्रदेश : एक भूगोलिक अध्ययन, महाप्रदेश हिन्दी यथा एकादमी.
12. शिं जागीर : भारत का भूगोल, झाँकीदास प्रकाशन, गोरखपुर।
Unit I

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 Soil.

Suggested Readings:


20. अक्षरी एन एम एवं आर धी तिवारी परिवर्तन गृहोल मध्यप्रदेश हिन्दी यथा अकादमी, मोहल, नेरी, धी एस पारिस्थितिकीय विकास एवं पर्यावरण गृहोल रस्तोमी एन्ड कंपनी, मेरठ, 1995.
21. रघुवंशी अरुण और चंदरेखा रघुवंशी पर्यावरण तथा प्रदूषण मध्यप्रदेश हिन्दी यथा अकादमी, मोहल, 1989।
22. साविन्द्र शिख पर्यावरण गृहोल प्रयोग पूर्वक सदन इलाहाबाद
23. नेरी, धी एस. पारिस्थितिकीय विकास एवं पर्यावरण गृहोल, रस्तोमी एन्ड कंपनी, मेरठ
24. तिवारी विजय कुमार – पर्यावरण पारिस्थितिकी हिमालय पश्चिम, दिल्ली – 1998

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2015-16 Onwards
SEMESTER II

M.A. / M Sc.
Practical Geography -I

Unit I
Relief Profile Methods of Slope analysis, Hypsographic Curve.

Unit II
Block diagrams.

Unit III
Computer Cartography, Mapping & diagrams techniques.

Unit IV
Geological Maps – terminology & interpretation

Unit V
Survey by Indian tangent clinometer, Abney Level and sextant.

Scheme 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

Scheme of Marks
Village Survey & Report Writing - 20
Report
Presentation - 15
Viva - 15

Marks: 50

Session 2016-17