Department of Higher Education, Govt. of M.P.
Semester Wise Syllabus for Postgraduates
As recommended by Central Board of Studies and
Approved by HE the Governor of M.P.

SEMESTER - II

M.A. / M Sc. PREVIOUS
PAPER - 1
Climatology

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. Atmosphere weather and climate. Routledge, London and
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SEMESTER – II

M.A. / M Sc. PREVIOUS
PAPER – II
Resource Management

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. Burt on, I. And R.W. Kates : Readings in Resource Management and
   Conservation. Chicago Univ. Press. 1965
5. Fir’ ey, W.I. Man, Mind and Land : A Theory of Resource Use. Free Press, Glencoe,
   1960.
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SEMESTER - II

M.A. / M Sc. PREVIOUS
PAPER – III
Geography of India: Economy and Regions

Marks-50

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.

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 OHK Spate and R.L. Singh; detailed study of Narmada Basin, Malwa
plateau, Bundelkhand upland, Chhatisgarh Basin and Marathwada.

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
7. ग्यानदास पी.जी. भारत का भूगोल एवं भौगोलिक प्रकाशन नई दिल्ली.
8. विद्वान विजय भूगर्भ: भारत का भूगर्भ, हिन्दी भाषा में, ग्यानदास 2000
9. राजीव राजीव भूगर्भ: भारत का भूगर्भ, हिन्दी भाषा में, ग्यानदास 2000
10. सिंहा विजय भूगर्भ: भारत का भूगर्भ, हिन्दी भाषा में, ग्यानदास 2000
11. शहीद जन: भारत का भूगर्भ, ज्ञानदास प्रकाशन, ग्यानदास 2000
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SEMESTER-II

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

Marks 50

Unit - I

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

Unit - III

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:


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