M.A. / M.Sc. PREVIOUS
PAPER - I
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, greenhouse 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 climates, etc.

Suggested Readings:

M.M. 30 PE + 15
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 - II 
Resource Management 

Unit - 1 
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:
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-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 patterns; 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 O.H.K. Spate and R.L. Singh; detailed study of Narmada Basin, Malwa plateau, Bundelkhand upland, Chhattisgarh basin and Marathwada.

Suggested Readings:
2. Deshpande, C.D.: India - A Regional Interpretation, Northern Book Centre, New Delhi.
4. Singh, J. I., India. Gyanoday Gorakhpur
6. Tripathi B.C., Geography of India Allahabad, Prayag Prakashan, 2003
10. Tripathi, B.C., Geography of India Allahabad, Prayag Prakashan, 2003
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. Disasters management.

Unit – V
Environmental pollution: meaning, definition, types and types – air, water, noise and others.

Suggested Readings:

20. असली एवं ऐस प्रभाव या विद्यमान रूपों में गतिविधियों के परिणाम हिंदी संस्कृत अक्षादीप, भोपाल. नेशनल प्रोजेक्ट विकास एवं विकास मूल्य मापन एवं कंपनी, मेंटल. 1995
21. सी.सी. अवधि और प्रदर्शन रूपों में गतिविधियों के परिणाम हिंदी संस्कृत अक्षादीप, भोपाल 1995
22. नेशनल प्रायोगिक परिवर्तन रूपों में गतिविधियों के परिणाम हिंदी संस्कृत अक्षादीप, भोपाल 1995
23. नेशनल प्रायोगिक परिवर्तन रूपों में गतिविधियों के परिणाम हिंदी संस्कृत अक्षादीप, भोपाल 1995
24. प्रायोगिक परिवर्तन रूपों में गतिविधियों के परिणाम हिंदी संस्कृत अक्षादीप, भोपाल 1995