

116
FOR COLLEGE ONLY

(Geography) II SEM.
M.A. M.Sc. Exam May/June-2018
Second/Fourth Semester
Pages 01 to 04

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Jiwaji University, Gwalior
Semester Wise Syllabus for Post graduate
recommended by Geography Board of Studies on 24 April, 2017
Session 2017-18

SEMESTER - II

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

SS-1238 2018

M.M.-100

- 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 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

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SEMESTER - II

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

SS. 235 11/18

Marks 100

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 : Geomorphology 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 Land : A Theory of Resource Use. Free Press, Glencoe, 1960.
6. F.A.O. of U.N. : A Framework for Land Evaluation. Soil Bulletin 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. University 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

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SEMESTER – II

M.A. / M.Sc. PREVIOUS
PAPER – III

SS-670 M-18

Geography of India: Economy and Regions

Marks-100

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

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, 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
- 7 अमनाल पीरसी भारत का भूगोल एशिया प्रकाशन कम्पनी रायपुर
8. विवासी विजय कुमार : भारत का भूगोल, हिमालय पब्लिकेशन, मुम्बई 2000
9. वेंकट सुब्रह्मण्य चन्द्र : भारत का वृहद भूगोल, मीनाक्षी प्रकाशन मेरठ
10. विवासी, विष्णुनाथ-भारत का भौगोलिक स्वरूप राम प्रसाद एण्ड सन्स ।
11. मणिता कुमार, मध्यप्रदेश : एक भौगोलिक अध्ययन, मध्यप्रदेश हिन्दी ग्रंथ एकतादमी, भोपाल।
12. सिंह जगदीप : भारत का भूगोल, ज्ञानोदय प्रकाशन, गोरखपुर।

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SEMESTER – II

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

Marks 100

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 Sumita Narain, Dying Wisdom : The Fourth Citizen Report, Center for Science and Environment, New Delhi, 1998
2. Burton, L. ; R.W. Kates & G.F. Whaley, The Environment as Hazards, O.U.P. New York, 1978.
3. Carledge, Bryen, Population and the Environment, O.U.P. New York, 1995
4. Chandra, 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. Detskyler, 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. Gaudie, Andrew, The Human Impact on The Natural Environment 2, 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, R.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. Mann, P.E. Environmental Impact Assessment, Principles and Procedures, John Wiley & Sons, New York, 1979.
15. Manoj Sumita, The Citizen Fifth Report, Centre for science and Environment, New Delhi, 2003.
16. Molerii 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
20. अवरशी एन एम एवं आर पी तिवारी पर्यावरण भूगोल मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल.
21. नेगी, पी एस पारिस्थितिकीय विकास एवं पर्यावरण भूगोल रस्तोगी एण्ड कम्पनी, मेरठ, 1995
22. शंभुजी अरुण और चन्दलेखा रघुवंशी पर्यावरण तथा प्रदूषण मध्यप्रदेश हिन्दी ग्रन्थ अकादमी, भोपाल 1989।
23. रविन्द सिंह पर्यावरण भूगोल प्रयोग पुस्तक सदन इलाहाबाद
24. नेगी, पी.एस. पारिस्थितिकीय विकास एवं पर्यावरण भूगोल, रस्तोगी एण्ड कम्पनी, मेरठ
24. तिवारी विजय कुमार – पर्यावरण पारिस्थितिकी विद्यालय पब्लिकेशन, दिल्ली – 1998

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