

Department of Higher Education Govt. of M.P.
Semester Wise Syllabus for Postgraduates
As recommended by Central Board of Studies
and approved by H.E. the Governor of M.P.
Session ~~2018-19~~ 20~~19~~-20-21

SEMESTER - I

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

Maximum marks 85

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 - Geological structures and landforms - Evolution of landforms.
- Unit - 3 : Environmental change - Climatic change and geochronological methods, Morphogenetic Regions.
- Unit - 4 : Earth Movements - Epeirogenic, Orogenic and Cymatogenetic, Isostasy.
- Unit - 5 : Plate tectonics, Seismicity, Vulcanicity, 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
- राठौर, भरतसिंह : भू-वैज्ञानिक संरचनाएँ, म.प्र. हिन्दी ग्रंथ अकादमी, भोपाल।

Syllabus approved for the semester Dec. ~~2019~~ 2020

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SEMESTER - I

M.A. / M Sc. PREVIOUS

M.A. / M Sc. PREVIOUS

PAPER - II

Economic Geography

Maximum Marks 85

- Unit-1 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 and foot-loose industries. Theories of industrial localization-Weber, Losch and Isard: case studies of selected industries-Iron and steel, Aluminum.
- 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 markets 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 economic and its impact on environment.

Suggested Readings:-

Berry B.J.L. : Geography of market centres and retail distribution , prentice hall New York 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. वसुन्धरा प्रकाशन, गोरखपुर, 2001

सिन्हा बी.एन.पी. एवं अन्य आर्थिक भूगोल राजेश प्रब्लिकेशन्स नई दिल्ली 2000

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SEMESTER - I

M.A. / M.Sc. PREVIOUS

PAPER - III

Geography of India: Physical & Resources

maximum marks 85

- 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।

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SEMESTER - I

M.A. / M.Sc. PREVIOUS
PAPER - IV
History of Geographical Thoughts

Maximum Marks : 85

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, Ratzel, The French School - Blache, Brunche, The Americans School - Sample, Davis, Harbertson, the British School, Mackinder.
- Unit - 4 : Environmental Determinism, Possibilism and Neo-Determinism.
- Unit - 5 : Dualism in Geography; Systematic and Regional Geography, Physical and Human Geography. The Myth and reality about dualism.

Suggested Readings

1. Hartshorn 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

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SEMESTER - I
practical-I

M.M.-100

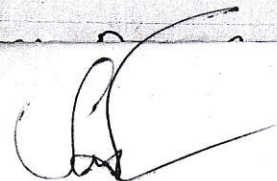
- Unit-I Development of Cartography : meaning, definition, history, techniques, tools and its significance.
- Unit-II Scale: meaning & definition, basic fundamentals of scales, types, conversion of scale & measurement, graphical re-presentation of scale, least count. (do at least three exercise for each)
- Unit-III Representation of relief: hachure, hill shading, contour, representation of various landforms, profiles. (do at least two exercise from topographical sheet).
- Unit-IV Representation of data: multiple bar diagram, pyramid diagram, rainfall dispersion diagram, band diagram, ergo graph, poly-linear graph. (do at least two exercise of each).
- Unit-V One day excursion to any place having distinct landscape identity – (prepare excursion report on the basis of relief, social & economic status).

Distribution – of – Marks:

Lab. Work (3 Hours)	- 70
Visit report	- 10
Record & Viva	- 20

Suggested Readings:

1. Singh R L – Practical Geography
2. Sharma J P – Practical Geography
3. Pawar R.S – Practical Geography



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GEOGRAPHY M.A./M.Sc.

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SEMESTER - I
practical-II

M.M.-100

Unit-I Survey: definition, principles of surveying, prismatic compass survey; close traverse Method, bearings, kinds of bearings, construction of field - book.

Unit-II survey by using (1) intersection method (2) radiation method (3) resection method, correction of bearings, closing error, Bowditch's rule.

Unit-III Sampling and summarizing data; sampling methods, estimate from samples, sample size frequency distribution, Lorenz curve.

Unit-IV Social and economic survey - preparation of short report on the basis of following topics - (1) social parameters like - literacy, occupation, cast etc. (2) economic parameters like - income, family size, per capita income, working condition etc.

Distribution - of - Marks:

Field Work (Surveying) 3 Hours - 40

Special Field Survey Report - 40

Record & Viva - 20

Suggested Readings:

1. Singh R L - Practical Geography
2. Sharma J P - Practical Geography
3. Pawar R S - Practical Geography



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SEMESTER - II

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

M.M.-85

- 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.

1. Berry, B.J.L. and Chorley, P.J. Atmosphere weather and climate, routledge , London and new york, 1993
2. Critchfield , J.S. General climatology prentice Hall , India, 1993
3. Peterson, Introduction to meteorology McGraw Hill Book London, 1969
4. Lal, D.S. Climatology chaitanya publication, Allhabad, 1986

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SEMESTER - II

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

Max. Marks 85

- 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

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SEMESTER - II

M.A. / M.Sc. PREVIOUS
PAPER - III

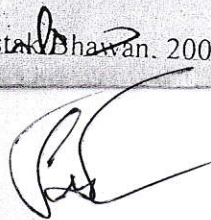
Geography of India: Economy and Regions

Marks-85

- 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 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
- Tiwari R.C. Geography of India Allahabad : Pravaag Pustak Bhawan. 2003



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SEMESTER - II

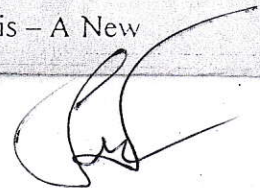
M.A. / M.Sc. PREVIOUS
PAPER - IV
Geography of Environment

Max. Marks 85

- 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. Wibley. 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.
9. Jain, R.K. L.V. Urban and G.S. Stacy. Environmental Impact Analysis – A New



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GEOGRAPHY M.A./M.Sc.

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SEMESTER - II

practical-I

M.M.-100

- Unit-I Diagrams: multiple bar diagram, square diagram, rectangular diagram, wheel and pie diagram.
- Unit-II Representation of data: using diagram for – spherical, block pile, scatter triangular, star.
- Unit-III Projections: basic principles to draw projections, the earth grid, classification of projections, basic projections – simple conical projection, simple cylindrical projections, polar zenithal equidistant projection.
- Unit-IV Special category projections – Policonic, Mercator, gall's, gnomonic oblique zenithal orthographic polar zenithal, mollweide (interrupted)
- Unit-V Topographical maps: conventional sign, tracing a part of toposheet, analysis, preparation of report on the basis of physical attributes.

Distribution – of – Marks:

Lab. Work (3 Hours) – 80

Record & Viva - 20

Suggested Readings:

1. Singh R L – Practical Geography
2. Sharma J P – Practical Geography
3. Pawar R S – Practical Geography



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SEMESTER - II

practical-II

M.M.-100

Unit-I Survey: plane table survey – instrument use introduction, sketch map, setting up of plane table, fore sighting and back sighting and general principles related to plane table surveying.

Unit-II Plane table survey: intersection method, radiation method, resection method.

Unit-III plane table survey: three point problem, Bessel's method, Illano's method, merits and demerits of plane table survey.

Unit-IV Special field report and survey: advanced agricultural geography and advanced pedology by choosing any one of the following themes – (1) monitoring performance of major crops of a block in a particular season for forecasting production, crop acreage and production estimation. (2) mapping of seasonal and round the year crop distribution of a specific study area with the help of toposheet, satellite and field traverse.

Distribution – of – Marks:

Field Work (Surveying) 3 Hours – 50

Special Field Survey Report - 30

Record & Viva - 20

Suggested Readings:

1. Singh R L – Practical Geography
2. Sharma J P – Practical Geography
3. Pawar R S – Practical Geography



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SEMESTER - III

M.A. / M Sc. Geography
PAPER - I
Oceanography
(Compulsory Paper)

Max. MARKS 85

Course contents:-

Unit - 1: Nature and scope of oceanography, distribution of land and water surface configuration of the ocean floor, submarine relief of the pacific, Atlantic and Indian ocean.

इकाई-1 समुद्र विज्ञान की प्रकृति एवं विषय क्षेत्र, भूमि तथा जल का वितरण, सामुद्रिक तली की बनावट, प्रशांत आन्ध्र तथा हिन्द महासागर की तलीय उच्चावन

Unit - 2: composition of oceanic water, distribution of temperature and salinity. Horizontal and vertical distribution.

इकाई-2 सामुद्रिक जल का संगठन, तापक्रम तथा लवणता क्षैतिज एवं लम्बवत् विवरण

Unit - 3: Circulation of oceanic water waves, tides and currents. Ocean deposits their Sources and types.

इकाई-3 सामुद्रिक जल ^{मार्ग} धाराओं का प्रवाह, ज्वारभाटा तथा धारा में सामुद्रिक निक्षेप एवं उनके स्रोत तथा प्रकार

Unit - 4: Corals and coral reefs: types and theories of their origin, ocean as a source of food and Minerals with special reference to Indian ocean.

इकाई-4 प्रवाल तथा प्रवालभित्ति, उनके प्रकार एवं उत्पत्ति के सिद्धांत, भोज्य पदार्थ तथा खनिज के स्रोत रूप में समुद्र, हिन्द महासागर के विशिष्ट संदर्भ में

Unit - 5: Chemistry of the sea Biological Environment of Sea and impact of humans on the marine environment.

इकाई-5 सामुद्रिक जल की रसायनिकी, जैविक पर्यावरण के रूप में सागर, सागर की जनसंख्या तथा मानव का सामुद्रिक पर्यावरण पर प्रभाव

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Note:-

Suggested Readings:-

1. Garrison, T.: Oceanography – An Introduction to Marine Science.
2. Books/Cole Pacific Grove, USA, 2001.
3. King, C.M.A.: Oceanography of Geographers. 1962.
4. Lal, D.S.: Oceanography, Sharda Pustak Bhawan, Allahabad, 2003
5. Sharma R.C., & A.Perry, eds.: Applied Climatology: Principles and Practice, Routledge, London .
6. S.D. Lal, Oceanography
7. जिलवायु एवं समुद्र विज्ञान – त्रिपाठी



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SEMESTER - III

M.A. / M Sc. Geography

PAPER - II

Urban Geography

(Compulsory)

MAX. MARKS 85

Course contents:-

Unit - 1: Nature and scope Urban Geography, different approaches and recent trends in Urban Geography, origin and growth of urban settlements: functional classification.

इकाई-1 नगरीय भूगोल की प्रकृति एवं विषय वस्तु, विभिन्न उपागम एवं नूतन प्रवृत्तियाँ, नगरीय अधिवासों की उत्पत्ति एवं विकास, नगरीय अधिकासों का कार्मिक वर्गीकरण ।

Unit - 2: Urban systems: urban growth and theories. Urban hierarchy, Central Place theory of Chris taller and Losch. Contributions of Indian scholars to the studies of urban settlements. Urban economic base; basic and non - basic functions, input - output models, concepts of dualism; colonial and post - colonial structure.

इकाई-2 नगरीय प्रणाली, नगरीय वृद्धि एवं सिद्धांत, नगरीय पदानुक्रम केंद्रीय सील सिद्धांत, क्रिस्टलर एवं लॉश का सिद्धांत, नगरीय अधिवास अध्ययनों में भारतीय भूगोल वेत्ताओं का योगदान, नगरीय आर्थिक आधार, आधारभूत एवं अनाधारभूत कार्य, आगमन निगम मोडल, द्वैतवाद की संकल्पना उपनिवेशिक तथा उपनिवेशात्तर कारक काल पश्चात् संरचना ।

Unit - 3: Urban morphology - city core, commercial, industrial and residential areas; modern urban landscape. Morphology of India urban settlements and its comparison with Western urban settlements.

इकाई-3 नगरीय आकारिकी, नगर कोड, व्यवसायिक औद्योगिक तथा रिहायशी क्षेत्र, आधुनिक नगरीय भूदृश्य, भारतीय नगरीय अधिवासों की आकारिकी तथा उसकी पाश्चात्य नगरीय अधिवासों से तुलना ।

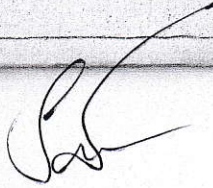
Unit - 4: Land use models: concentric zone theory, sector model, multiple nuclei model; city regions, urban expansion, umland and periphery. Contemporary urban issues.

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इकाई-4 भूमि उपयोग मॉडल, सकेंद्रीय वलय सिद्धांत, सेक्टर मॉडल, बहुनाभिक मॉडल, नगर-प्रदेश, नगरीय प्रसार, प्रभाव प्रदेश, समकालीन नगरीय मुद्दे।

Unit - 5: Urban policy and planning: development of medium and small sized towns. Planning for new wards, city planning, green belts, garden cities urban policy; contemporary issues in urban planning; globalization and urban planning in the Third World, urban land use planning with special reference to India

इकाई-5 नगरीय नीतियाँ तथा नियोजन, लघु एवं मध्यम आकार के नगरों का विकास, नवीन वार्डों का नियोजन, नगर नियोजन, हरितपट्टी, उद्यान नगर, नगरीय नीतियाँ, नगर नियोजन व समकालीन मुद्दे, तृतीय विश्व के देशों में नगरीय नियोजन तथा वैश्वीकरण, नगरीय भूमि उपयोग नियोजन-भारत के विशेष संदर्भ में।



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SEMESTER - III

M.A. / M Sc. Geography
PAPER - III
Geography of Tourism
(Compulsory)

Max. MARKS 100 (85 + 15 CCE)

Min. MARKS 85

Course contents:-

Unit - 1: Basic of Tourism definition of tourism, factors affecting tourism, historical, natural Socio - cultural and economic, motivating factors for tourist: (leisure, recreation, elements of tourism as an industries.)

इकाई-1 पर्यटन के आधार भूत तत्व, पर्यटन की परिभाषा, पर्यटन को प्रभावित करने वाले कारक ऐतिहासिक प्राकृतिक सामाजिक-सांस्कृतिक एवं आर्थिक, यात्रियों को प्रोत्साहित करने वाले कारक (आराम, मनोरंजन, उद्योग के रूप में पर्यटन के तत्व)

Unit - 2: Geography of tourism - its spatial affinity, areal and locational dimensions comprising physical, cultural, historical, and economic, tourism: cultural, eco - ethno - coastal and adventure tourism, national international tourisms, globalization and tourism.

इकाई-2 पर्यटन भूगोल इसका स्थानिक लगाव, क्षेत्रीय तथा स्थैतिक आयाम, भौतिक, सांस्कृतिक ऐतिहासिक तथा आर्थिक आयाम, पर्यटन : सांस्कृतिक परिस्थितिकी नृजातीय तटीय तथा साहसिक पर्यटन, राष्ट्रीय एवं अंतरराष्ट्रीय पर्यटन, वैश्वीकरण तथा पर्यटन

Unit - 3: Indian tourism: regional dimension of tourist attraction : evolution of tourism, Promotion of tourism.

इकाई-3 भारतीय पर्यटन: पर्यटन आकर्षण के प्रादेशिक आयाम पर्यटन का विकास पर्यटन प्रोत्साहन

Unit - 4: Infrastructure and support system - short and longer destination - agencies and Internmediataries accommodation and supplementary accommodation, other facilities, Tourism Circuits, Indian Hotel Industry.

इकाई-4 सहायक तथा अधोसंरचना तंत्र - लय एवं अधिक दूरी के गंतव्य, - एजेन्सियां एवं मध्यस्थ आवास तथा परक आवास, अन्य सुविधायें, पर्यटन सर्किट भारतीय होटल उद्योग

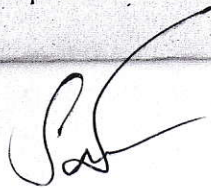
Unit - 5: Impact of tourism; physical economic and social perceptions positive and negative impacts; Environments laws and tourism – current trends, patterns and recent and changes; role of foreign capital

इकाई-5 पर्यटन का प्रभाव भौतिक, आर्थिक एवं सामाजिक, दृष्टिकोण, सकारात्मक एवं नकारात्मक प्रभाव पर्यावरणीय पर्यटन की आधुनिक प्रवृत्तियों, स्थानिक प्रतिरूप तथा आधुनिक परिवर्तन विदेशी मुद्रा की भूमिका

Note:-

Suggested Readings:-

1. A.K.: Tourism Development : Principles and Practices, : Sterling Publishers, New Delhi



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SEMESTER - III

M.A. / M Sc. Geography
PAPER - IV
Agricultural Geography
(Compulsory)

Max. MARKS 100 (85 + 15 CCE)

Course contents:-

Unit - 1: Nature scope and Significance of Agricultural geography, approaches to the study of agricultural geography, commodity, systematic and regional; origin and dispersal of agriculture.

इकाई-1 कृषि भूगोल की प्रकृति विषय क्षेत्र एवं महत्व, कृषि भूगोल के अध्ययन के उपागम, वस्तु, क्रमवृद्ध तथा प्रोदशिक : कृषि की उत्पत्ति तथा प्रकीर्णन

Unit - 2: Determinants of agricultural and use; physical economic, social institutional and technological. Theories of agricultural location based on several multi - dimensional factors. Von thunen's Theory of agricultural location and its recent modifications.

इकाई-2 कृषि भूमि उपयोग के निर्धारक तत्व: भौतिक, आर्थिक सामाजिक संस्थागत तथा तकनीकी, कृषि स्थिति के विभिन्न बहुआयामी कारको पर आधारित सिद्धांत वानथ्यूनेन का कृषि अवस्थिति सिद्धांत, तथा उसमें नवीन संशोधन

Unit - 3: Land use and land capability classification; concepts and measures of agricultural productivities, agricultural efficiency and crop combination, diversification and specialization.

इकाई-3 भूमि उपयोग तथा भूमि क्षमता वर्गीकरण, कृषि उत्पादकता की संकल्पना तथा मापन, कृषि दक्षता तथा शास्य संयोजन, विभेदन तथा विशिष्टीकरण

Unit - 4: Agricultural typology and regions; Kostrovickis scheme of agricultural typology critical review of whittlesey's classification agricultural regions, methods of agricultural regionalization.

इकाई-4 कृषि प्रकारिकी तथा प्रदेश :- कृषि प्रकारिकी की कोस्ट्रोबिकी की स्कीम, कृषि प्रदेश वर्गीकरण का व्हीटलिसी का आलोचनात्मक पुनरावलोकन, कृषि प्रदेशीकरण की विधिया

Unit - 5: Agriculture in India – Land use and changing cropping pattern. Regional pattern of Productivity in India. Green revolution and its impact, white revolution; food deficit and food surplus regions; Specific Problems in India agriculture and their management Agricultural policy in India.

इकाई-5 भारत में कृषि :- भूमि उपयोग तथा परिवर्तन शीलशास्त्र प्रतिरूप भारत में उत्पादकता का प्रादेशिक प्रतिरूप, हरित क्रांति तथा उसका प्रभाव, श्वेत क्रांति, भोज्य अल्पता, तथा भोज्य अतिरिक्त प्रदेश, भारतीय कृषि की विशिष्ट समस्यायें एवं उनका प्रबंधन, भारत में कृषि नीतियां

Suggested Readings:-

1. Noor Mohammad, ed. New Dimensions in Agricultural Geography.
2. Mazid H. ; Agricultural Geography
3. बी. एल. शर्मा : कृषि भूगोल, साहित्य प्रकाशन अकादमी।
4. प्रमिला कुमार : कृषि भूगोल, म.प्र. हिन्दी ग्रंथ अकादमी।

विश्वविद्यालय/स्वशासी महाविद्यालय अध्ययन मण्डल द्वारा संदर्भ ग्रंथों की सूची का विस्तार किया जावे।



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- SEMESTER - III

practical-I

M.M.-100

M.M.-100

- Unit-I Distribution maps: choropleth method, isopleths method, dot method, traffic – flow cartogram.
- Unit-II Weather maps: importance, conventional sign, brief study of technical terms used in weather maps, interpretation of maps, preparation of reports.
- Unit-III Comparison and hypothesis test : (1) comparison – nearest neighbour analysis, shortest path analysis, (2) hypothesis test – student's 't' test.
- Unit-IV Statistical methods: meaning and significance, collection of data, measurement of central tendencies – mean, mode, medium and deviations.
- Unit-V Correlation : karl – Pearson method, Spearman rank size method, probability and it's distribution.

Distribution – of – Marks:

Lab. Work (3 Hours) – 80

Record & Viva – 20



(21)

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SEMESTER - III
practical-II

M.M.-100

- Unit-I** Indian clinometer: introduction of instrument, determination of height and its representation, Abney level – introduction and representation.
- Unit-II** Sextant survey : introduction of instruments and its part, merits and demerits.
- Unit-III** Dumpy level survey: introduction of instruments and its parts, staff level, bench mark, level measurement and its representation.
- Unit-IV** Special field report and survey: regional and urban planning (field report on a specific problem of an urban area by taking small town or a few wards of a big city, based on primary data) in which – (1) identification of study area and problem (2) data base, preparation of questionnaire, fields survey, analysis of surveyed data and mapping.

Distribution – of – Marks:

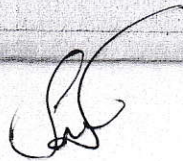
Field Work (Surveying) 3 Hours – 50

Special Field Survey Report - 30

Record & Viva - 20

Suggested Readings:

1. Singh R L – Practical Geography
2. Sharma J P – Practical Geography
3. Pawar R S – Practical Geography



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SEMESTER - IV

M.A. / M Sc. Geography
PAPER - I
Research Methodology in Geography
(Compulsory)

Max. MARKS (85)

Min. MARKS 85

Course contents:-

- Unit - 1: Concept of research in social sciences, Nature of Geographical Research, Research approaches in geography -Traditional and behavioural, Experimental research, Selection of case studies. observation, Inductive and deductive reaserch, stages of research
- इकाई-1 सामाजिक विज्ञानों में शोध की संकल्पना, भौगोलिक शोध की प्रकृति, भौगोलिक शोध के उपागम-परम्परागत, व्यावहारिक एवं प्रयोगात्मक शोध, प्रतीक अध्ययन का चुनाव, अवलोकन-निगमनात्मक एवं आगमनात्मक शोध, शोध के विभिन्न स्तर
- Unit - 2: Identification of research problems, Specification and Objectives of research. Making of hypothesis Types of hypothesis and confidence levels, survey of Literature and preparation of bibliography and reference materials, method of review of Literature.
- इकाई-2 शोध समस्याओं की पहचान, शोध का विशिष्टिकरण, शोध के उद्देश्य, परिकल्पनाओं का निर्माण, परिकल्पनाओं के प्रकार, एवं सार्थकता स्तर, साहित्य सर्वेक्षण, संदर्भ ग्रंथ सूची का निर्माण एवं संबंधित संदर्भ सूची संबंधित साहित्य का पुनरावलोकन।
- Unit - 3: Nature of geographical data and information- Spatial and Non-spatial, Temporal, sources of primary and secondary data, topographical sheets, selection of indicators and variables, Questionnaire, schedule and interview.
- इकाई-3 भौगोलिक आँकड़ों एवं सूचनाओं की प्रकृति, स्थानिक एवं अस्थानिक, कालिक, प्राथमिक एवं द्वितीयक आँकड़ों के स्रोत, धरातल पत्रक, सूचकांकों एवं चरों का चुनाव, प्रश्नावली, अनुसूची एवं साक्षात्कार।

Unit - 4: Rearrangement of central tendencies and dispersion, Variance, Correlation & regression.

इकाई-4 केंद्रीय प्रवृत्ति का पुनर्व्यवस्थापन, विचलन एवं प्रसरण, सहसंबंध एवं प्रतीपगमन।

Unit - 5: Sampling design, sampling and types and procedure, standard error and testing, Tabulation of data, comparison of samples-parametric (T & F) and Non-parametric test (Chisquare test), Interpretation of data.

इकाई-5 प्रतिचयन प्रारूप, प्रतिचयन का प्रकार एवं विधियाँ, मानक त्रुटि एवं परीक्षण, आँकड़ों का सारिणीयन, प्रतिचयनों का तुलनात्मक अध्ययन-प्राचलिक (T & F) एवं अप्राचलिक परीक्षण (Chisquare वर्ग), आँकड़ों की व्याख्या।

Suggested Readings :

1. Kothari, C.R. Research Methodology.
2. Kothari, C.R. Quantitative Technique.
3. Mishra, H.N., "Research Methodology in Geography.
4. Peter Haqqet " Quantitative Techniques in Geography.
5. Peter Hagget "Models in Geography.
6. Cole and King "Statistical Analysis in Geography.
7. Deshprabhu- Suchitra- Sociological research
8. श्रीवास्तव, वी.के. "सांख्यिकी भूगोल।
9. मुखर्जी, रविंद्रनाथ - सामाजिक शोध व सांख्यिकी।
10. द्विवेदी आर.एन. - रिसर्च मेथडॉलाजी।
11. मुखर्जी, राधारमन, सामाजिक अनुसंधान एवे सर्वेक्षण।
12. यादव, हीरालाल - शोध प्रविधि एवं मात्रात्मक भूगोल

Syllabus approved for the Semester June 2020.



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SEMESTER - IV

M.A. / M Sc. Geography

PAPER - II

Geography of Population

जनसंख्या भूगोल

{Optional}

Max. MARKS 85

Course contents:-

Unit - 1: Nature and scope of Population Geography. Development of population Geography as field of specialization. Its relation with the Demography. Sources of population data, their problems, mapping the population data.

इकाई-1 जनसंख्या भूगोल की प्रकृति तथा विषय क्षेत्र, विशिष्टीकरण के क्षेत्र के रूप में जनसंख्या भूगोल का विकास, जनसंख्या भूगोल का जनांकिकी से संबंध, जनसंख्या आंकड़ों के स्रोत एवं आंकड़ों की विश्वसनीयता, जनसंख्या आंकड़ों के मानचित्रिकरण की समस्या।

Unit - 2: Population distribution and density: Growth of population theoretical issues, world pattern and their determinants.

इकाई-2 जनसंख्या वितरण एवं घनत्व, जनसंख्या वृद्धि, सैद्धांतिक मुद्दे, विश्व प्रतिरूप तथा निर्धारक कारक।

Unit - 3: Population Composition- Age and Sex Composition: Literacy and education, occupational structure, Urbanization, Population Regions of the World.

इकाई-3 जनसंख्या संगठन, आयु एवं लिंग संगठन, साक्षरता और शिक्षा व्यावसायिक संरचना नगरीकरण विश्व के जनसंख्या प्रदेश।

Unit - 4: Population Dynamics : Measurement of Fertility and Mortality; World patterns of fertility and mortality. Demographic Transition International Migration.

इकाई-4 जनसंख्या की गत्यात्मकता, प्रजननता एवं मर्त्यता का मापन, प्रजननता एवं मर्त्यता का विश्व प्रतिरूप, जनांकिकी प्रत्यावर्तन, अंतर्राष्ट्रीय प्रवास।

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Population and Resources Development : Concept of optimum population, under population and over population. Theories of population. Malthus, limits to growth. Population- Resource regions of the World.

इकाई-5 जनसंख्या तथा संसाधन विकास, अनुकूलतम जनसंख्या, एवं न्यून जनसंख्या एवं अति जनसंख्या की संकल्पना। जनसंख्या के सिद्धांत-माल्थस, वृद्धि की सीमायें, विश्व के जनसंख्या संसाधन प्रदेश।

Suggested Readings :

1. Boserup, E. The Conditions of Agricultural Growth. George. Allen & Unwin, London, 1965.
2. Barclay, G.W. Techniques of Population Analysis. John Wiley, New York, 1959.
3. Bogue, D.J. : Principles of Demography. John Wiley, New York, 1969.
4. Bose, Ashish et.al. : Population in India's Development Vikas Publishing House, New Delhi.
5. Chandna R.C. : Geography of Population. Concept, Determinants and Patterns Kalyani.
6. Clark, J.I. Geography. Pergamon Press, Oxford, 1973.
7. Crooch, Nigel: Principles of Population and Development. Pergamon, New York, 1997.
8. Daugherty, H.H., Kenneth C.W. Kammeyir ; An Introduction to Population. The Guiford Press, New York, London, 1998.
9. Garnier, B.J. ; Geography of Population. Longman London, 1970
10. चाँदना, आर.सी. :- जनसंख्या भूगोल, कल्याणी पब्लिशर्स नई दिल्ली, 2001।

Syllabus approved for the Semester June 2020



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Department of Higher Education, Govt. of M.P.
Post Graduate Semester wise Syllabus
As recommended by Central Board of Studies
and approved by the Governor of M.P.

उच्च शिक्षा विभाग, म. प्र. शासन
स्नातकोत्तर कक्षाओं के लिये सेमेस्टर अनुसार पाठ्यक्रम
केंद्रीय अध्ययन मण्डल द्वारा अनुशंसित तथा म. प्र. के राज्यपाल द्वारा अनुमोदित

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Class/ कक्षा	: M.A./ M.Sc. Geography
Semester/ सेमेस्टर	: IV
Subject/ विशय	: Geography
Title of Subject Group/ विषय समूह का शीर्षक	: Geography of health
Paper No./ प्रश्नपत्र क्रमांक	: स्वास्थ्य भूगोल
Compulsory/ अनिवार्य या	: IV (Optional)
Optional / वैकल्पिक अनिवार्य	: Optional
Max. Marks/ अधिकतम अंक	: 100 (85 + 15 CCE)

Particulars / विवरण

Unit - 1	Definition, Nature and Significance of Health Geography, Development of Health, Geography its distinction from Medical Sciences, relation with other allied sciences as well as social sciences.
इकाई - 1	स्वास्थ्य भूगोल की परिभाषा, प्रकृति तथा महत्व, स्वास्थ्य भूगोल की विकास, चिकित्सा विज्ञान से इसका अंतर अन्य पिज्ञानों से तथा सामाजिक विज्ञानों से संबंध
Unit - 2	Sources of diseases incidence data and other related information- primary and secondary sources. Elementary human Anatomy with special reference to respiratory, and digestive systems of human body.
इकाई द्व 2	रोगजन्य आँकड़ों के स्रोत तथा अन्य संबंधित सूचनार्ये - प्राथमिक एवं द्वितीयक स्रोत, मानव शरीर के श्वसन तथा पाचन तंत्र का मानवीय संरचना से संबंध
Unit - 3	Ecology of diseases and disease epidemiology. Pathological

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	environmental social and cultural and economic factors responsible for causation of disease and other ill – health conditions.
इकाई – 3	रोगों की परिस्थिति तथा रोग जन्य विज्ञान रोगों के कारण तथा अन्य अवस्वास्थ्यकारी दशाओं को प्रभावित करने वाले पैथोलॉजीकरण एवं पर्यावरणीय, सामाजिक एवं सांस्कृतिक आर्थिक कारण
Unit – 4	Pollution syndrome; various types of pollution and their role in disease incidence, Air Pollution and disorders in respiratory system water pollution and water borne diseases.
इकाई – 4	प्रदूषण सिन्ड्रोम प्रदूषण के विभिन्न प्रकार तथा उनकी बीमारियों की उत्पत्ति में भूमिका, वायु प्रदूषण एवं श्वसन तंत्र में अनियमितताएं, जलीय प्रदूषण एवं जल जनित रोग
Unit – 5	Classification of diseases. Bases of diseases classification. International classification of diseases. Role of WHO in classification of diseases in the world.
इकाई – 5	रोगों का वर्गीकरण – वर्गीकरण के आधार, रोगों का अंतरराष्ट्रीय वर्गीकरण, विश्व के रोगों के वर्गीकरण में विश्व स्वास्थ्य संगठन की भूमिका।
Note / नोट	

Suggested Readings:

1. Banerji, B. & J. Hazra: Geo – Ecology of cholera in West Bengal. University of Calcutta. 1980.
2. Cliff, A. & P. Haggett: Atlas of Disease Distribution. Basil Blackwell, Oxford, 1989.
3. Digby, A. & L. Stewart eds: Geofinder, Health and Welfare. Routledge, New York, 1996.
4. Hazra, J. ed.: Health Care Planning in developing Countries. University of Calcutta. 1997.

Syllabus approved for the semester June 2020.

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Semester Wise Syllabus for Postgraduates
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SEMESTER - IV

M.A. / M Sc. Geography

PAPER - IV

Regional Planning & Development

प्रादेशिक नियोजन एवं विकास

Max. MARKS 85

- Unit-1 Regional concept in geography, conceptual and theoretical framework, changing concept of regions, concept of space. Types of region: Formal and functional: Uniform and nodal single purpose and composite regions in the context of planning: regional hierarchy.
- इकाई-1 भूगोल की प्रादेशिक संकल्पना, संकल्पनात्मक तथा सैद्धांतिक फ्रेमवर्क, प्रदेश की परिवर्तित संकल्पना, स्थान की संकल्पना, प्रदेश के प्रकार :- औपचारिक तथा क्रियात्मक, समरूप तथा केंद्रीय, एक उद्देशीय तथा संयुक्त प्रदेश-नियोजन के संदर्भ में प्रादेशिक पदानुक्रम।
- Unit-2 Approaches to Delineation of different types of regions and their utility in planning. Physical regions, resource region, regional divisions according to variations in levels of socio-economic development: special purpose regions-river valley regions, metropolitan regions, problematic regions tribal regions drought and flood prone region.
- इकाई-2 विभिन्न प्रकार के प्रदेशों में सीमांकन के उपागम तथा उनकी नियोजन में उपयोगिता, भौतिक प्रदेश, संसाधन प्रदेश, सामाजिक, आर्थिक विकास के स्तर की भिन्नता के अनुसार प्रादेशिक नियोजन, विशिष्ट उद्देश्य प्रदेश-नदी घाटी प्रदेश, महानगरीय प्रदेश समस्या ग्रस्त प्रदेश, बाढ़ तथा सूखा ग्रस्त, आदिवसी प्रदेश।
- Unit-3 Planning process- temporal and spatial dimensions: short term and long term perspectives of planning. Planning for regional development and multi regional planning in a national context.
- इकाई-3 नियोजन प्रक्रिया-नियोजन के लघुकालिक एवं दीर्घ कालिक संदर्श, प्रदेश के विकास का नियोजन एवं राष्ट्रीय संदर्भ में बहुप्रादेशिक नियोजन।
- Unit-4 Regional development strategies-concentration vs dispersal, case studies for plans of developed and developing countries: evaluation of regional plans of India. Indicators of development and their data sources, Measuring levels of regional development and disparities case study of India.

इकाई-4 प्रादेशिक नियोजन व्यूह रचना- संकेन्द्रण विरुद्ध प्रकीर्णन, विकसित तथा विकासशील देशों के नियोजन प्रणाली का प्रतीकात्मक अध्ययन, भारत की प्रादेशिक योजना का मूल्यांकन, विकास के सूचक तथा उनके आँकड़ों के स्रोत, प्रादेशिक विकास तथा असमानताओं के स्तरों मापन, भारत के संदर्भ में अध्ययन।

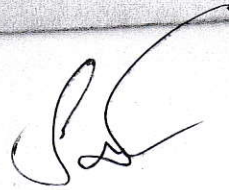
Unit-5 Concept of Multi-level planning: decentralized planning: peoples participation in the planning process: panchayat raj system role and relationship of panchayati raj institution (Village panchayat, panchayat simiti and Zila parasid) and administrative structure (Village, panchayat, block & district). Regional development in India- problems and prospects.

इकाई-5 बहुस्तरीय नियोजन की संकल्पना- विकेंद्रीकृत नियोजन, नियोजन प्रक्रिया में जनभागीदारी, पंचायत राजतंत्र, पंचायत राज्य संस्थानों की भूमिका तथा संबंध (ग्राम पंचायत, पंचायत समिति एवं जिला परिषद) एवं प्रशासकीय में रचना (ग्राम पंचायत, ब्लॉक तथा जिला, भारत में प्रादेशिक विकास, समस्याएँ, तथा सम्भावनाएँ)।

Suggested Readings :

1. Abler, R. et al : Spatial Organization - The Geographer's view of the world. Prentice Hall. Bhat, L.S. regional planning in India Statistical. Pub. Society, Culcutta 1973.
2. Mishra, R.P. et.al. "Regional Planning in India.

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SEMESTER - IV

M.A. / M.Sc. Geography

PAPER - IV

Practical-I

Max. MARKS 100

Max. MARKS 100

- Unit-1 Remote sensing : meaning definition, introduction of technique, process of remote scanning unit as elements, application.
- Unit 2 Aerial photographs; introduction, air photos, cameras, its scale, types of air photos and its pretation.
- Unit 3 Stop analysis : gradient, inter pretation through C.K. Wentworth method.
- Unit 4 Geological maps and profiles formations
- Unit 5 Frequency distribution and graphs.

Distribution of Marks

Lab. work (3 hours) 80

Record & Viva - 20

Suggested Readngs:

1. Singh R.L. Practical Geography
2. Sharma J.P. Practical Geography
3. Pawar R.S. Practical Geography

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SEMESTER - IV

M.A. / M Sc. Geography

PAPER - IV

Practical-II

Max. MARKS 100

- Unit-1 Theodolite surveying : introduction ad types, introduction of its parts, bearings and close traverse method an triangular method.
- Unit 2 Theodolite survey : do at least two exercise from two distinct field,s its uses and merits and demerits.
- Unit 3 Special field report and survey: regional and population survey in slum area of nearby town (1) idetification of study area and problem (2) collection of data related to social, economic and demographical attributes.
- Unit 4 Geographical excursion: at least one week excursion in or outside the base city.

Distribution of Marks

Field work surveying(3 hours) 50
Tour Report - 30
Record & Viva - 20

Suggested Readngs:

1. Singh R.L. Practical Geography
2. Sharma J.P. Practical Geography
3. Pawar R.S. Practical Geography

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