

DEVI AHILYA VISHWAVIDYALAYA, INDORE

2011-12 Onwards

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

2012-13 Onwards

Semester III (Final)

I Oceanography	85+15 CCE
II Urban Geography	
III Geography of Tourism	
IV Agricultural Geography	
Practical Geography . 1	50
Practical Geography . 2	50

Semester IV

I Research methodology in Geography (Compulsory)	85+15 CCE
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Optional Papers (Any three)

1. Remote sensing
2. Population Geography
3. Regional Planning and development
4. Bio-Geography
5. Geography of Health
6. Geography of Manufacturing
7. Political Geography.

Internship/Project (Compulsory)

Practical - I

Practical - II

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

SEMESTER . I

M.A. / M Sc.

PAPER . I -- Geomorphology

MARKS 85+15 CCE

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- fl əj | foʊnz % Hkw vkNfr foKku] ol djk ɔdk'ku] ejB
- 8- dks'kd] , l -Mh- % Hkw vkNfr foKku] jLrksch] ejB
- 9- 'keɹ gfj'kdj] ɔfeyk dɔkj % Hkw vkNfr foKku] e-ɔ- fɹlɪh xɛk vdkneh] Hkks ky
- 10- ekeɹj ; k vɹ U; kfr % Hkw vkNfr foKku] f'koyky] vkxjk
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DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

SEMESTER . I

M.A. / M Sc.

PAPER . II -- Economic Geography

MARKS 85+15 CCE

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 Thunen's 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.

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 revolution on Indian economy, globalization and Indian economic 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

fl g ds , u , oafI g ts vKfFKZd Hkksy ds enyrRo KkuKn; i zdk.ku]xkj [ki g] 2001
JhokLro oh-ds , oajko oh-i h-&vKfFKZd Hkksy] ol W/kjk i zdk.ku]xkj [ki g] 2001
fl Uqk ch-, u-i h- , oavU; vKfFKZd Hkksy jktSk i fcyds kUl jubZ fnYyh 2000

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 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. 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. Geographyp of India Allahabad : Prayag Pustak Bhawan, 2003

7- vxoky ih-l h- Hkkjr dk Hkkksy , f'k; k izdk'ku dEi uh jk; i j

8- frokjh fot; dekj %Hkkjr dk Hkkksy] fgeky; ifcyds'ku] eficbz 2000

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11- ifeyk dekj] e/; insk % , d Hkkksy v/; ; u] e/; insk fgUnh x'k , dkneh] Hkks kyA

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DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 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, Ratzal, The French School - Blache, Brunche, The Americans School - Sample, Davis, Harbertson, the British School, 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. Hartshorne 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. dks'kd] , l -Mh- % Hkks'ksyd fopkj/kkj , j , oafof/k ræ] ej B
8. t[] , l - , l - % Hkks'ksyd fpru , oafof/k ræ] l kfgR; Hkou] vkxjk] 1987
9. fl g' txnh'k % Hkks'ksyd fpru ds eny vk/kkj] Kkuks;] xkj [ki g]
10. Mishra H.N. : Research Methodology & Paradigma

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

SEMESTER . I

M.A. / M Sc. PREVIOUS

Geography practical-I

M.M.-50

Scheme of Marks

Lab work - 30 Marks

Record - 10

Viva-voce - 10

Unit-1

Mathematical Construction of cylindrical projection – Simple cylindrical, cylindrical Equal Area and Mercator's Projection .

Unit-2

Mathematical Construction of Conical Projection : Conical one and Two Standard parallel, Bonnie's and poly conic projection .

Unit-3

Representation of Geographical data& Lorenz curve
Ergo7graphy, 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.

M.M.-50

Scheme of Marks

Report writing - 20 Marks

Presentation - 15

Viva-voce - 15

**DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards**

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 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

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

SEMESTER . II

M.A. / M Sc. PREVIOUS
PAPER . II

Resource Management

MARKS 85+15 CCE

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. McGraw Hills, London 1969.
10. Mitchell, Bruce : Geography and Resource Analysis. Longman, London, 1979
11. Owen, S. & P.L. Owens : Environment Resource & Conservation. Cambridge University Press, New York 1991.

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 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.

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 OHKSpate 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- vxoky ih-l h Hkkjr dk Hkkksy , f'k; k izdk'ku dEi uh jk; ij
8- frokj h fot; dekj %Hkkjr dk Hkkksy] fgeky; ifCyds'ku] efcbl 2000
- 9- cd y l j'sk plnz %Hkkjr dk ogn Hkkksy] ehuk{kh izdk'ku] e]B
- 10- frokj h] fo'oukFk&Hkkjr dk Hkkksy Li: lk jke izdk'ku , .M l Ul A
- 11- ifeyk dekj] e/; insk %, d Hkkksy v/; ; u] e/; insk fgUnh x'k , dkneh] Hkks kyA
- 12- fl g txnh'k %Hkkjr dk Hkkksy] Kkukn; izdk'ku] xkj [ki gA

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

SEMESTER . II

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

MARKS 85+15 CCE

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. Whiley. *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.
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, B.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. Munn, R.E. Environmental Impact Assessment : Principles and Procedures. John Wiley & Sons, New York, 1979.
15. Narain Sunita. The Citizen Fifth Report. Centre for science and Environment, New Delhi, 2003.
16. Mukerji 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- volFkh , u , e , oavkj ih frokj h i ; kbj.k Hkxky e/ ; inSk fglNh xLFk vdkneh] Hki ky] ush] ih , l ikjLFkrh; fodkl , oalk; kbj.k Hkxky jLrskh , UM dEi uh] ejB] 1995

21- j?kpkh v: .k vLj plny[k j?kpkh i ; kbj.k rFk inTk.k e/ ; inSk fglNh xLFk vdkneh] Hki ky 1989A

22- l folnz fl g i ; kbj.k Hkxky iz kx i qrd l nu bykgkkn

23- ush] ih , l - ikjLFkrh; fodkl , oalk; kbj.k Hkxky] j l rskh , .M dEi uh] ejB

24- frokj h fot ; dckj & lk; kbj.k ikjLFkrh fgeky ; ifCydsku] fnYyh & 1998

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2011-12 Onwards

SEMESTER . II

M.A. / M Sc.

Practical Geography -I

Unit I

Relief Profile Methods of Slope analysis.

Unit II

Block diagrams, Hypsographic curve.

Unit III

Computer Cartography, Mapping & diagrams techniques.

Unit IV

Zeological Maps – terminology & interpretation

.

Unit V

Survey by Indian tangent clinometer, Abney Level and sextant .

Schme 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

Marks; 50

Village Survey & Report Writing

Schme of Marks

Report	- 20
Presentation	- 15
Viva	- 15

2012-13 Onwards
Semester / I eIVj %III

Title of Subject Group %Oceanography

Paper No. / i/ ui = dekd %I

Max. Marks 100 (85 +15 CCE)

Unit-1 I epz foKku dh izdfr , d fo"K; {ks=} Hkfe rFkk ty dk forj.k] I kefnzd ryh dh cukoV] izlkr vdk rFkk fglu egkl xj dk ryh; mPpkou

bdkbz & 1 Nature and scope of oceanography, distribution of land and water, surface configuration of the ocean floor, submarine relief of the pacific, Altantic and Indian ocean.

Unit-2 I kefnzd ty dk I xBu] rki Øe rFkk yo.krk] {kfrt , d yEoor-fooj.k

bdkbz & 2 Composition of oceanic water, distribution of temperature and salinity. Horizontal and Vertical distribution.

Unit-3 I kefnzd ty /kkjvks dk idkj] TokjHkkV/k rFkk /kkj] I kefnzd fu{ki , d mudsL=kr rFkk idkj

bdkbz & 3 Circulation of oceanic water waves, tides and currents. Ocean deposits their Sources and types.

Unit-4 idky rFkk idkyfHkfr] muds idkj , d mRi fRr dsfl)kr] Hkkstu rFkk [kfut ds L=kr : i ea egkl xj] fglu egkl xj ds fof'k"V I mHkz ea

bdkbz & 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.

Unit-5 I kefnzd ty dh j l k; fudh] l xj dk tfoD] i ; kbj.k rFkk ekuo dk I kefnzd i ; kbj.k i j i Hkko

bdkbz & 5 Chemistry of the sea Biological Environment of Sea and impact of human on the marine environment.

Suggested Readings :

1. Garrison, T.: Oceanography- An Introduction to Marine Science.

2. Books/Cole Pacific Grove, USA, 2001.

3. King, C.M.A.: Oceanography for 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. tyok; q, oa I epz foKku & f=i kBh

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Semester / I etVj %III

Title of Subject Group %Urban Geography

Paper No. / i/ ui = dekd %II

Compulsory

Max. Marks vf/kdre vd %100 (85 +15 CCE)

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

bdkbz & 1 uxjh; Hkksy dh izdfr , oafok; oLrj fofHku mi kxe , oauru i dfr; k] uxjh; vf/kokl dh mRi fRr , oafodkl A dlf; d oxhZj .kA

Unit-2 Urban systems: urban growth and theories. Urban hierarchy, Central Place theory of Christaller 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.

bdkbz & 2 uxjh; izkkyh] uxjh; of) , oafI) kar] uxjh; inkuDe-dnh; fLFkr fl) kar] fdfLVyj , oaykKk dk fl) kar] uxjh; vf/kokl v/; ; uka ea Hkkj rh; Hkksy oRkvka dk ; ksnku mi fuoskdkydh mi fuoskkRj I j puk A

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

bdkbz & 3 uxjh; vkdkfjdh] uxj dkm] 0; ol kf; d vS] kfxd rFkk fjk; 'kh {k=} vk/kfud uxjh; Hkn' ;] Hkkj rh; uxjh; vf/kokl ka dh vkdkfjdhA

Unit-4 Land use models: concentric zone theory, sector model, multiple nuclei Model; cityregions, urban expansion, umland and periphery.

Contemporary urban issues.

bdkbz & 4 Hkfe mi ; kx ekMy] I dnh; {k= fl) kar] I DVj ekMy] ogukfHkd ekMy] uxj&ins]k] uxjh; iz k] i Hkko ins]k] I el kef; d uxjh; epnA

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 landuse planning with special reference to India.

bdkbz & 5 Hkkj r ds I mHkZ ea uxjh; uhfr; k; rFkk fu; kstu] y?kq , oae/; e vkdkj ds uxjka dk fodkl] uohu okMkZ dk fu; kstu] uxj fu; kstu] gfjriVVh] m | ku uxj] uxjh; uhfr; k] rRr; fo'o ds ns kka ea uxj fu; kstu o I edkyhu epn\$ uxjh; fu; kstu rFkk os ohdj .k] uxjh; Hkfe mi ; kx fu; kstuA

Suggested Readings :

1. Alam, S. Manzoor: Hyderabad-Secunderabad: Twin Cities. Asia Publishing House, Bombay, 1964. Berry, B.J.L & F.F. Horton: Geographic Perspectives on Urban Systems. Prentice Hall, Englewood Cliffs, New Jersey, 1970.
2. Carter H.: The Study of Urban Geography: Edward Arnold Publishers, London, 1972.
3. Chorley, R.J. Op. & Haggett, eds: Models in Geography. Methuen, London, 1972.
4. Dickinson, R.E. City and Region. Routledge, London, 1964
5. Duncan, O.O.: Metropolis and Region. John Hopkins Press, Baltimore, 1960.
6. Gibbs, J.P.: Urban Research Methods D. Von Nostrand Co. Inc. Princeto, New Jersey, 1961.
7. Hauser, Philip M. and Schnore Leo, eds.: The Study of Urbanization. Wiley, New York, 1965. Johnson, J.H.: Urban Geography Pergoman Press, London 1967.
8. Kundu, Amitabh: Urban Development and Urban Research in India Khanna Publications, 1992. Madhav P., ed.: Contributions in Geography, Vol. VII, Urban Geography. Heritage, New Delhi, Mayer H.M. & C.F. Kohn, eds.: Regardings in Urban Geography University of Chicago Press 1955. Mumford, L.: Culture of Cities. McMillan & Co. London, 1958.
9. Nagia, Sudesh: Delhi Metroplitan Region - A Study in Settlement Geograplly. Rajesh pufation. 1976.
10. uxjh; Hkk@y cd yA
11. uxjh; Hkk@y vkj- ch e.MyA
* fo' ofo | ky; @Lo' kkl h egkfo | ky; v/; ; u e.My }jk l nHkZ xfk@ dh l pph dk foLrkj fd; k tkoA

Semester / I etVj %III

Title of Subject Group %Geography of Tourism

Paper No. / i/ ui = dekd %III

Compulsory

Max. Marks vf/kdre vd %100 (85 +15 CCE)

Unit-1 i; V/ u ds vk/kkj Hkk rRo] i; V/ u dh ifjHkk"kk i; V/ u dks i Hkkfor djus okys dkjd , frgkfl d i kdfrd l kelftd&l kLdfrd , d vkfFkZd] ; kf=; ka dks i k&l kfgr djus okys dkjd %/kjke] eukjat u] m/kks ds: i ea i; V/ u ds rRo ½

bdkbz & 1 Basics 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.)

Unit-2 i ; /u Hkkksy bl dk LFkfdud yxko] {ks=h; rFkk LFkfdud vk; ke] Hkkfdud] I kd dfrd , frgkfl d rFkk vkfFkd vk; ke] i ; /u % I kLdfrd ifjLFkfrdh u%t krh; rVh; rFkk I kgfl d i ; /u] jk"Vh; , d vrjk"Vh; i ; /u] oShodj.k rFkk i ; /u

bdkbz & 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.

Unit-3 Hkkjrh; i ; /u] i ; /u vkd"kz k ds i knf'kd vk; ke i ; /u dk fodkl i ; /u i kkl kgu

bdkbz & 3 Indian tourism: regional dimension of tourist attraction: evolution of tourism, Promotion of tourism

Unit-4 I gk; d rFkk v/kk jpkur ræ & y/kq, d vf/kd njh ds xr@;]& , tSUI ; ka, d e/; LFk vkokl] RkFkk ij d vkokl] vU; I fo/kk; j i ; /u I fdM Hkkjrh; gk/y m?kks

bdkbz & 4 Infrastructure and support system- short and longer destination – agencies and intermediaries accommodation and supplementary accommodation; other facilities, Tourism Circuits, Indian Hotel Industry.

Unit-5 i ; /u dk i Hkko Hkkfdud] vkfFkd , d I kekf'td] nF"Vdks k] I dkj kRed , d udkj kRed i Hkko i ; kbj.kh; i ; /u dh vk/kfud i dfUk; k] LFkfdud ifr: i rFkk vk/kfud ifjorZ fonS kh epk dh Hkfedk

bdkbz & 5 Impact of tourism; physical economic and social perceptions positive and negative impacts; Environment laws and tourism-current trends, spatial patterns and recent and changes; role of foreign capital.

Suggested Readings :

1 Bhatia A.K. : Tourism Development : Principles and Practices. : Sterling Publishers, New Delhi 1996.

2 Bhatiya, A.K. International Tourism – Fundamentals and Practices, Sterling, New Delhi (1991) .

3 Chandra R.H. : Hill Tourism Planning and Development : A Sustainable Relationship Delhi , 1998.

4 Hunter C and Green H. : Tourism and the Environment : A Sustainable Relationship Routledge, London, 1995.

5 nkl ifi ; k i ; /u Hkkksy e/; insk fglUnh xBfK vdkneh Hkks ky A

6 jSuk , -ds i ; /u izak fl) kUr vkS 0; ogk vfHkuo izdk'ku vtej 2007 A

7 fl g I pUr] MKW oh-i-h fl g e/; insk ea i ; /u vkfNR; ifcy'kl Z] chuk 2000 A

8 0; kl jktsk d'ekj Hkkjr ea i ; /u fo | k fogkj ubZ fnYyh] 2008 A

* fo'ofok | ky; @Lo'kk h egkfo | ky; v/; ; u e.My }jk I nHkz xFk dh I ph dk foLrkj fd; k tkoA

Semester / I etVj %III

Title of Subject Group %Agricultural Geography

Paper No. / i/ ui = dekd %IV

Compulsory /

Max. Marks vf/kdre vcl %100 (85 +15 CCE)

Unit-1 df" k Hkaksy dh idfr fo" k; {ks= , Ø egRQk} df" k Hkaksy ds v/ ; ; u ds mi kxe] oLrj Øec) rFkk i knf' kd %df" k dh mRi fRr rFkk i dñz ku

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

Unit-2 df" k Hkñe mi ; ksx ds fu/kkj .k rRo% HkkfRd] vkfFkd I keftd I Lñkxr rFkk rdudhj df" k fLFkr ds fofHku ogv/ k; keh dkj dks ds vk/kkfj r fl) kar okul; uss dk df" k vofLFkr fl) kar] rFkk ml ea uohu I akk/ku

bdkbz & 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.

Unit-3 Hkñe mi ; ksx rFkk Hkñe {kerk oxhñj .k} df" k mRi kndrk dh I dYi uk rFkk eki u] df" k n{krk rFkk 'kL; I a kst u] foHknu rFkk fof' k"Vhdj .k

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

Unit-4 df" k idkfjd h rFkk in' s k %& df" k idkfjd h dh dkt Vñsxdh dh Ldhe] df" k in' s k oxhñj .k dk OghVfyl h dk vkykpukRed i qzkykdu] df" k in' s khñj .k dh fof/ k; k

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

Unit-5 Hkkjr es df" k %& Hkñe mi ; ksx rFkk ifjorZu 'kL; ifr: i Hkkjr es mRi kndrk dk i knf' kd ifr: i] gfjr Øhfr rFkk ml dk i Hkko] 'or Øhfr] Hkksf; vYirk] rFkk Hkksf; vfrjd in' s k] Hkkjr h; df" k dh fof' k"V I eL; k; a , Ø mudk idaku] Hkkjr es df" k uhfr; ka

bdkbz & 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 policies in India.

Suggested Readings :

1. Noor Mohammad, ed. New Dimensions in Agricultural Geography.

2. Mazid H. : Agricultural Geography.

3. ch , y- 'kekz % -f" k Hkaksy] I kfgR; idk' ku vdknehA

4. ifeyk dñkj % -f" k Hkaksy] e- iz fglñh xñk vdknehA

* fo' ofo | ky; @Lo' kkl h egkfo | ky; v/; ; u e. My }kjk I nHkZ xfk@ dh I ph dk foLrkj
fd; k tkoA

2012-13 Onwards
Practical Geography -I
Semester- III

M.M.-50

Unit I

Map Projection : Gall's Projection Gnomonic, stereographic and Orthographic Projection by Mathematical Methods.

Unit II

Normal and Interrupted Sinusoidal and Mollweide projection by mathematical methods.

Unit III

Resection by Plane Table.

Unit IV

Prismatic Compass Survey- Measurement of Included angles and adjustment of closing error by Bawditch method.

Unit V

Quantitative Techniques – Correlation and Regression.

Scheme of marks

- | | | |
|----|----------------|----|
| 1- | Field Work - | 15 |
| 2- | Lab Work - | 20 |
| 3- | Record +Viva - | 15 |

DEVI AHILYA VISHWAVIDYALAYA, INDORE
2012-13 Onwards

Practical Geography -II

Semester- III

Unit I

Procure a topographical map of 1:50,000 scale to study the settlement selected.

Unit II

Collect demographic, social & economic data of the village from Census Reports to Study nthe temporal changes in the profile of such characteristics.

Unit III

Preparation of settlement site map through rapid survey to map the residential, commercial recreational, educational, religious and other prominent features.

Unit IV

Conduct Socioeconomic survey of the area personally with a structural questionnaire, personal observation and perception.

Unit V

Prepare a critical field survey reports with photograph and sketches in addition to maps and diagrams.

M.M.-50

Scheme of marks

- | | | | |
|----|--------------|---|----|
| 1- | Report | - | 30 |
| 2- | Presentation | - | 10 |
| 3- | Viva-voce | - | 10 |

Semester / I %IV

Title of Subject Group %Research Methodology in Geography

Paper No. / I = de %I

Compulsory /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

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.

bdkbz & 1 | kekftd foKkuka ea 'kksk dh | dYi uk] Hkkskfyd 'kksk dh idfr] Hkkskfyd 'kksk ds mi kxe&ijEi jkxr] 0; kogkfjd , oa iz kskRed 'kksk] irhd v/; ; u dk pqko] voykdu] fuxeukRed , oa vkxeukRed 'kksk] 'kksk ds fofHku Lrj

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, methods of review of Literature.

bdkbz & 2 'kksk | eL; kvka dh igpku] 'kksk dk fof' kf"Vdj .k , oa 'kksk ds mnns ;] ifjdYi ukvka dk fuekZ.k] ifjdYi ukvka ds izdkj , oa | kfkZrk Lrj] | kfgR; | oZk.k] | nHkZ xfk | ph dk fuekZk , oa | EcZkh | nHkZ | ph | a/kr | kfgR; dk i qj koykduA

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.

bdkbz & 3 Hkkskfyd vkpMka ,oa l puvka dh izfr] LFkkfud ,oa vLFkkfud] dkfyd] i kFkfed ,oaf}rh; d vkpMka ds L=kr] /kj kry i=d] l pdkka ,oa pka dk puko] iz ukoyh] vud] ph l k{kkRdkjA

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

bdkbz & 4 dnh; idfRr dk i p0; bLFkki u] fopyu ,oa i j.k] l gl adk] irhi xeuA

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.

bdkbz & 5 ifrp; u ik: i] ifrp; u dk izdkj ,oafof/k; kj ekud =qV ,oa ijh{k.k] vkpMka dk l kfj.kh; .k] ifrp; uka dk ryukRed v/; ; u&i kpfyd (T & F) ,oa vi kpfyd ijh{k.k (Chisquare ox), vkpMka dh 0; k[; kA

Suggested Readings :

1. Kothari, C.R. Research Methodology.
2. Kothari, C.R. Quantitative Technique.
3. Mishra, H.N., "Research Methodology in Geography.
4. e[kth] jk/kj eu] l kelftd vud] dku ,oa l o{k.kA
5. Peter Haqget " Quantitative Techniques in Geography.
6. Peter Hagget "Models in Geography.
7. Cole and King "Statistical Analysis in Geography.
8. JhokLro] oh-ds "l ka[; dh Hkksk/A
9. e[kth] jfomukFk & l kelftd 'kks'k o l ka[; dhA
10. f}onh vkj-, u- & fj l pZ eFKMk/kthA
11. Deshprabhu- Suchitra- Sociological research.
12. ;kno ghjkyky] **'k@k i fof/k ,oa ek=kRed
13. Hkksy **j/kk i fcyd's ku 1994**

* fo'ofok; @Lo'kkl h egkfo |ky; v/; ; u e.My }jk l nHkz xFk dh l ph dk foLrkj fd; k tkoA

Semester / l etVj %IV

Title of Subject Group %Remote Sensing Techniques

Paper No. / izui = dkd %I

Optional /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

Unit-1 Historical development of remote sensing. Relevance of remote sensing in geography, Remote sensing systems: Platforms, sensors, radiation records.

bdkbz & 1 l nhj l onu rdudh dk ,frgkl d fodkl] Hkksy ea l nhj l onu dh mi ; kfxrk] l nhj l onu dk % ly/Qke] l ond] fofdj.k fjdkMVA

Unit-2 Air photos and photogrammetry ; Types of Air photos, Scales and ground coverage of air photos, Air photogrammetry system- Films, Filters, aerial cameras, Film exposures.

bdkbz & 2 ok; q Qk/kfp= , oa Qk/kxkferh&ok; q Qk/kfp= ds i zkj] ok; q Qk/kfp= dk eki d] ok; Qk/kxkferh ræ&ok; q Qk/kfp= ea fQYe] fQYVj] ok; j d&ejk] fQYe vukoj .ka

Unit-3 Elements of vertical photographs, relief displacement image parallax, stereoscopic air photo interpretation , shape , size, pattern, tone, texture, shadows, site.

bdkbz & 3 Å/okZkj Qk/kxkQ ds rRo] mPpkop] LFkkukrj .k] Qk/ks i jsyDI LVhfj; ks Li ®d l s ok; q Qk/kfp=ka dh 0; k[; k&vkdfrr] vkdkj] ifr: i] vkek] xBu] ijNkb] fLFkfrA

Unit-4 Satellite remote sensing: Platforms of satellite remote sensing- LANDSAT, SPOT, RADARSAT, IRS, INSAT : Principles and geometry of scanners, orbital Characteristics of satellite remote sensing.

bdkbz & 4 mi xg l nij l õnu & mi xg nij l õnu ds ly/Qke] ySM l v] Li kW] jkMkj l v] vkbzv kj-, l -] bli vA l õnd ds fl)kr vs] T; kferh; A nij l õnu dh d{kh; fo'kSkrrka

Unit-5 GIS- (Geographical Information system)- GIS System- Definition of a Geographical information system, Scope of Geographical information system , Elements of Geographical Information. System Methodology of GIS procedure .

bdkbz & 5 HkkSkkyd l puk ræ dh ifdz k dk fof/kra=] HkkSkkyd l puk ræ dh ifj Hkk"kk] HkkSkkyd l puk dk {k=] HkkSkkyd l puk ræ ds rRo] HkkSkkyd l puk ræ dh ifdz k dk fof/kra=A

Suggested Readings :

(1) American Society of Photogrammetry : Manual of Remote Sensing ASP, Falls Chukh , V.A. 1983.

(2) Barrett E.C. and L.F. Curtis : Fundamentals of Remote Sensing and Air Photo Interpretation ,Mcmillion , Newyork 1992.

(3) 'kekZ tsi h- iz, ksxkRed Hkkksy jLrksxh ifcyd's ku 2008&09 A

(4) frokjh jke plnr] f=i kBh l qkkdj iz, ksxkRed Hkkksy iz, kx i qrd Hkou bykgckn A

* fo'ofok |ky; @Lo'kkl h egkfo |ky; v/; ; u e.My }kjk l anHkZ xfk® dh l ph dk foLrkj fd; k tkoA

Semester / l etVj %IV

Title of Subject Group %Geography of Population

Paper No. / izui = dekd %II

Optional /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

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.

bdkbz & 1 tul ¶; k Hkksy dh izdfr rFkk fo"k; {ks=} fof'k"Vhdj.k ds {ks= ds : i ea tul ¶; k Hkksy dk fodkl] bl tul ¶; k Hkksy dk tukfidh l s l cdk] tul ¶; k vkadMka ds L=kr , oa vkadMka dh fo'ol uh; rk] tul ¶; ka vkadMka ds ekufp=hdj.k dh l eL; kA

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

bdkbz & 2 tul ¶; k forj.k , oa ?kuRo] tul ¶; k of)] l d] kird eqn} fo'o ifr: i rFkk fu/kk] d dkj dA

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

bdkbz & 3 tul ¶; k l xBu] vk; q , oafya l xBu] l k{kjrk vj f'k{kk] 0; kol kf; d l jpu] uxjhdj.k] fo'o ds tul ¶; k in's kA

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

bdkbz & 4 tul ¶; k dh xR; kredrk] iztuurk , oaer; rk dk eki u] iztuurk , oaer; rk dk fo'o ifr: i] tukfidh iR; korU] vrj kZVh; i dkl A

Unit-5 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.

bdkbz & 5 tul ¶; k rFkk l d k/ku fodkl] vudhyre tul ¶; k] , oaU; w tul ¶; k , oavfr tul ¶; k dh l dYi ukA tul ¶; k ds fl) kr&ekYfk] of) dh l hek; a fo'o dh tul ¶; k l eL; k; A

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. pknuk] vkj-l h- %& tul [; k Hkksy] dY; k. kh i fcy'kl Zubz fnYyh] 2001A
* fo'ofok] ky; @Lo'kkl h egkfo] ky; v/; ; u e. My }kjk l mHkZ xFk dh l pph dk foLrkj
fd; k tkoA

Semester / l etVj %IV

Title of Subject Group %Regional Planning & Development

Paper No. / i/ ui = d ekd %III

Optional /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

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 nodalsingle purpose and composite regions in the context of planning: regional hierarchy.

bdkbz & 1 Hkksy dh i kns'kd l dYi uk] l dYi ukRed rFkk l) kird Qeod] insk dh ifjofr l dYi uk] LFku dh l dYi uk] insk ds izdkj %& vks pkfjd rFkk fdz kRed] l e: lk rFkk dnh;] , d mnas kh; rFkk l a pr insk&fu; kstu ds l mHkZ ea i kns'kd inkud eA

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.

bdkbz & 2 fofHku izdkj ds insk ka ea l hekadu ds mi kxe rFkk mudh fu; kstu ea mi ; ksrk] Hkkrd insk] l d k/ku insk] l kekf rd] vkfFkd fodkl ds Lrj dh fHkurk ds vuq kj i kns'kd fu; kstu] fof'kV mnas; insk&unh ?kkVh insk] egkuxjh; insk l eL; k xLFk insk] ck+rFkk l v[kk xLr] vkfnokl h inskA

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.

bdkbz & 3 fu; kstu i fdz k&fu; kstu ds y?kpkfyd , oanh?kz dkfyd l n'k] insk ds fodkl dk fu; kstu , oaj k'Vh; l mHkZ ea cgq kns'kd fu; kstuA

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.

bdkbz & 4 i kns'kd fu; kstu 0; wj jpu& l dlnz k fo:) izdh. kU] fodfl r rFkk fodkl 'khy ns'ka ds fu; kstu iz kkyh dk izhd kRed v/; ; u] Hkkr dh i kns'kd ; kst uk dk eW; kadu] fodkl ds l pd rFkk muds vk dMka ds L=ksr] i kns'kd fodkl rFkk vl ekurkvka ds Lrj ka eki u] Hkkr ds l mHkZ ea v/; ; uA

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.

bdkbz & 5 cglrjh; fu; kst u dh l dYi uk& fodnhd'r fu; kst u] fu; kst u ifdz; k ea tuHkxhinkjh] i pk; r jktra=] i pk; r jkT; l dFkkuka dh Hkfedk rFkk l cdk %kte i pk; r] i pk; r l fefr , oaf tyk ifj "kn½ , oa iz kkl dh; esjpuk %kte i pk; r] Cykd rFk ftyk] Hkkjr ea i kns'kd fodkl] l eL; k; } rFkk l EHkkouk; A

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, Calcutta 1973.

2. Mishra, R.P. et.al. "Regional Planning in India.

* fo' ofo | ky; @Lo' kkl h egkfo | ky; v/; ; u e. My } jk l nHkz xFk dh l ph dk foLrkj fd; k tkoA

Semester / l etVj %IV

Title of Subject Group %Biogeography

Paper No. / i / ui = d e k d %IV (Optional)

Optional /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

Unit-1 Scope and development of Biogeography Environment, Habitat and Plant animal association, biome types.

bdkbz & 1 t b Hkksy dk fo" k; {ks= , oafodkl] i kni , oa thoka dk ikjLifjd l gl cdk rFkk mudk vkokL;] tho e ds izkjA

Unit-2 Elements of plant geography world. Distribution of Forests and their major communities, Plant succession in newly formed landforms. Example from flood plains and glacial fore fields.

bdkbz & 2 kni Hkksy ds rRo] ou d dk fo' oforj .k rFkk muds iz d [k l epk;] uohu Hkks"; @ i j i kni d dk Øfed fodkl ck+ds e hku d i d r h z fVEuh {ks= d ds i kni d dh v/; ; uA

Unit-3 Zoogeography and its environmental relationship with special reference to tropical, temperate, cold forests and tidal regions.

bdkbz & 3 i k. kHkksy rFkk mudk lk; kbj .k l s l cdk] m". kdfVcdkh;] 'khr d .kdfVcdkh; 'khrdfVcdkh;] ouh; rFkk Tokjh; {ks= d ds fo' e k l nHkz eA

Unit-4 Palaeobotanical and Palaeoclimatologically changes in India and its impact on biosphere.

bdkbz & 4 ij kokuLifrdh rFkk ij k tyok; fopd vk/kkj d ij Hkkjr ea gq i ; kbj .kh; ifjorZu rFkk ml dk t b eMy ij i HkkoA

Unit-5 National Forest Policy of India. Legal Provisions of Forest conservation and its implementation, conservation of Biotic resources.

Suggested Readings :

- 1- Agrawal, D.P. Man and Environment in India Through Ages, Book & Books, 1992.
- 2- Bradshaw, M.J. : Earth and Living Planet, ELBS, London, 1979.
- 3- Cox, C.D. and Moore, P.D.: Biogeograph : An Ecological and Evolution Approach 5th Ed. Blackwell, 1993.
- 4- Gaur, R. : Environment and Ecology of Early Man in Northern India R.B. Publication Corporation, 1987.
- 5- Hoyt, J.B. : Man and the Earth, Prentice Hall, U.S.A. 1992.
- 6- Huggett. R. J. : Fundamentals of Biogeography, Routledge, U.S.A. 1998.
- 7- MKWip[®]h | j[®]tuh , oaxn[®]sjkts[®]ojh| t[®] Hk[®]y| e- iz fglnh x[®]fk vdknehA
 * fo'ofok | ky; @Lo'kl h egkfo | ky; v/ ; ; u e.My }jk | nHkz x[®]fk[®] dh | ph dk foLrkj fd; k tkoA

Semester / I [®]IV

Title of Subject Group %Geography of Health

Paper No. / i/ui = dekd %V (Optional)

Optional /

Max. Marks vf/kdre vd %**100 (85 +15 CCE)**

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

Unit-2 Sources of disease incidence data and other related information-

primary and secondary sources. Elementary human Anatomy with special reference to respiratory, and digestive systems of human body.

Unit-3 Ecology of diseases and disease epidemiology. Pathological environmental social and cultural and economic factors responsible for causation of diseases and other ill-health conditions.

Pathological environmental social and cultural and economic factors responsible for causation of diseases and other ill-health conditions.

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.

bdkbz & 4 inkk.k fl UMke] inkk.k dsfofHku i dzkj rFkk mudh chekfj ; ka dh mRi fRr es Hkfedk] ok; q inkk.k , o 'ol u ræ esvf; ferrk; j tyh; inkk.k , o ty tfur jksx

Unit-5 Classification of diseases. Bases of diseases classification.

International classification of diseases. Role of WHO in classification of diseases in the world .

bdkbz & 5 jksks dk oxhdj .k& oxhdj .k ds vk/kkj] jksks dk vUrj k"Vh; oxhdj .k] fo'o ds jksks ds oxhdj .k esfo'o LokLF; I xBu dh Hkfedk

Suggested Readings :

1. Banerji , B. & J. Hazra: Geo-Ecology of Cholera in West Bangal. University of Calcutta. 1980.
2. Cliff, A. & P. Haggett: Atlas of Disease Distribution. Basil Blackwell, Oxford, 1989.
3. Digby, A. & L. Stewart eds: Geflder, Health and Welfare. Routledge, New York, 1996.
4. Hazra, J., ed,: Health Care Planning in Developing Countries. University of Calcutta, 1997.
5. Howe, G.M.: A World Geography of Hunlan Diseases. Academic Press, London, 1977.
6. Learmonth, A.T.A.: Patterns of Disease and Hunger-A Study in Medical. Geography.
7. David and Charles, Victoria, 1978.
8. Learmonth, A.T.A.: Disease Ecology. Great Britain, 1988.
9. May, J.M.: Studies in Disease Ecology. Hafner Pub. New York, 1961.
10. May, J.M.: Ecology of Hunlan Diseases. M.D. Pub., New York, 1959.
11. May, J.~ Tlie,/,;Orld Atlas of Diseases. Nat. Book Trust, New Delhi, 1970.

12. - IC1shal)r : Medical Geography. Methuen, London, 1972.

13. LokLF; Hkk@y & dSyk'k pCA

14. i@k.kA

* fo'ofol ky; @Lo'kkI h egkfo | ky; v/; ; u e.My }jkk I nHkZ xFk@ dh I pph dk foLrkj fd; k tkoA

Semester / I etVj %IV

Title of Subject Group %Geography of Manufacturing

Paper No. / i/ ui = dekd %VI

Optional /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

Unit-1 Nature, scope and recent developments, elements and factors of localization of manufacturing industries, centralization and decentralization of industrial enterprises.

bdkbz & 1 iz-fr fo"k; {ks= , oa uuru fodkl] oLrfuekzk m | x@ ds rRo , oa m | x@ dh LFkki uk ds dkj d] m | x@ dk d bhdj .k , oa fod bhdj .kA

Unit-2 Theories and models of industrial location : Weber, Losch, Isard and Hoover. Modern refinements to least-cost-theory; Critical review and application of industrial location theories.

bdkbz & 2 m | x@ ds LFkkudj .k ds fl) kur , oa ekMy] c@j] ykKk] vkbtd] g@j] U; ure eV; fl) kur@ dk ifjektU] mijDr fl) kur@ dk l eh{kRed ijh{k.k , oa mi ; xA

Unit-3 Distribution and spatial pattern of manufacturing industries – Iron and Steel, textiles, chemicals, petro-chemicals, hardware and software Industries.

bdkbz & 3 fofuekzk m | x@ dk forj .k , oa ifr: i] y@k , oa bLkr m | x] oL= m | x] j l k; u {ks-h; m | x] iV@ dsedYl , oa l kVos j m | xA

Unit-4 Major industrial regions of U.S.A., Asia and Europe. Methods of delineation of Manufacturing regions.

bdkbz & 4 v@k@xd insk dsfu/kk] .k dh fof/k; k] fo'o ds ied[k v@k@xd insk] l a Dr jkT; vesj dk] , f'k; k , oa ; j@k ds ied[k v@k@xd inskA

Unit-5 Environmental degradation caused by manufacturing industries Industrial hazards and occupational health. Impact of manufacturing industries on economic development] impact of globalization on manufacturing sector, industries and its impact on the urban fringe, changing industrial policy.

bdkbz & 5 fofuekzk m | x@ ds dkj .k mRi u i ; kbj .k vou; u] v@k@xd vki kv@rFkk mudk LokLF; ij iHkko] vkfFkd fodkl ea m | x@ dk iHkko] fofuekzk m | x@ ij o@ojdj .k dk iHkko uxjh l hekr insk@ ij m | x@ dk iHkko] cnyrh v@k@xd ulfr; @

Suggested Readings :

1- MKW iehyk d@kj , oa v@k@xd Hk@ky] e- iz fglrh x@k] MKW Jhdey 'kek] vdknehA * fo'ofok] ky; @Lo'kk l h egkfo | ky; v/; ; u e.My }jk l nHkz x@k@ dh l ph dk foLrkj fd; k tkoA

Semester / l etVj %IV

Title of Subject Group %Political Geography

Paper No. / iz ui = d@kd %VII

Optional /

Max. Marks vf/kdre vd %100 (85 +15 CCE)

Unit-1 Nature, scope subject matter and recent development in political geography approaches to study.

bdkbz & 1 jktufrd Hk@ky dh iz-fr {ks=} fo"k; oLr] jktufr Hk@ky dk] uohu fodkl] jktufrd Hk@ky ds v/; ; u ds mi kxeA

Unit-2 Geographic elements of the State; Physical elements, Human elements economic elements, relation of Political geography and environment.

bdkbz & 2 jkT; ds Hkx'fyd rRo% Hk'frd rRo ekuoh; rRo rFkk vkfFkd rRo] jktufrd Hkx'y rFkk i; kbj.k dk l cdkA

Unit-3 Themes in Political Geography : State, Nation, Nation – State and Nation building frontiers and boundaries. Colonisation, decolonization. Neocolonization Federalism and other forms of Governance Conflicts and Cooperation.

bdkbz & 3 jktufrd Hkx'y ds ied[k v/; ; ufcln] jkT;] jk"V&jkT; rFkk jk"V^a fuekZ.k] l hekUr rFkk l hek,] mi fuos khdj.k vu^o fuos kokn rFkk uo mi fuos khdj.k l akokn rFkk 'kkI u ds vU; i d[kj] fookn rFkk l gdkjA

Unit-4 Geopolitical Significance of Indian Ocean. bdkbz & 4 fglnegl kxj dk Hkjktufrd egRo] n{kd ns'k^o dk jktufrd Hkx'y] Hkkjr dh fons'kufr ij Hkx'y dk i HkkoA

Unit-5 Political geography of SAARC Region. Impact of geography on Foreign Policy of India, Changing Political map of India, Interstate issues: water disputes and riparian claims. New emerging issues and conflicts of Indian Politics.

bdkbz & 5 Hkkjr dk ifjorZ'khy jktufrd ekufp=] vrjkt; h; ty fookn , oarVortZ nkoa] Hkkjr dh jktufdr ds mHkjr sed's rFkk fooknA

Suggested Readings :

- fo' ofo | ky; @Lo' kkl h egkfo | ky; v/; ; u e.My }kj k l mHkZ x'fk^o dh l ph dk foLrkj fd; k tkoA

Semester / I etVj %IV

Title of Subject Group % Practical I

Compulsory /

Max. Marks vf/kdre vU %50

Unit-1 Drainage density map, frequency curve,

bdkbz & 1 vQokg /kuRo ekufp=] vofrZ odZ

Unit-2 Aerial photographs, development of air photo, interpretation techniques, types of photographs , photo mosaic and their comparison with topographical maps.

bdkbz & 2 ok; q@gokbz QkS/ks fp=] gokbz QkS/ks fp= dk fodkl] 0; k[; k rduhd] gokbz QkS/ks fp= ds i d[kj] QkS/ks tky , oar/kjkry i=d ds l kFk mudh rgyuk A

Unit-3 Means of Deviation – Mean]standard & Quartiale Deviation.

bdkbz & 3 fopyu ds eki & ek/;]ekud , oar'fkd fopyu A

Unit-4 Statistical techniques : Variance, & Chi Squire test.

bdkbz & 4 l kA[; dh rduhd % i d j.k, oar dkbz oxZ i fj{k.k A

Unit-5 Remote Sensing techniques % GIS]GPS & their application in Geographical studies.

bdkbz & 5 l n j l o n u r d u h d & t h v k b z , l - t h i h , l - , o a m u d s 0 ; k o g k f j d i z k x
v / ; ; u ½

Scheme of Marks

1. **Lab Work** : 30
2. **Record book** : 10
3. **Viva** : 10

Semester / I e t V j %IV

Title of Subject Group % Practical II

Compulsory /

Max. Marks v f / k d r e v d %50

Unit-1 Dumpy level- Levelling and contouring.

bdkbz & 1 M i h y o y & r y e k i u , o a l e k p j s [k a d u A

Unit-2 Theodolite survey.

bdkbz & 2 F ; k w / k s y k b V l o z k . k A

Unit-3 Traffic Survey.

bdkbz & 3 V k f Q d l o z k . k A

Unit-4 Grographical Study of a area & Report writing

bdkbz & 4 f d l h { k s = d k H k s k f y d v / ; ; u , o a y s [k u

Unit-5 f u d V r e i M e d h f c n q f o ' y s k . k f o f / k A

bdkbz & 5 N e a r e s t n e i g h b o u r t e c h n i q u e .

Scheme of Marks

1. **Survey** : 15
1. **Lab Work** : 15
2. **Area Report** : 10
3. **Record Viva** : 10

