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UNIVERSITY OF MYSORE



Estd. 1916

VISHWAVIDYANILAYA KARYA SODHA
CRAWFORD HALL, POST BOX NO. 406
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No.AC.2(S)/401/13-14

Dated: 24-05-2014

NOTIFICATION

Sub: Modification of the existing syllabus

Ref: 1. Proceedings of Faculty of Science & Technology Meeting held on 14-02-2014.
2. Proceedings of the Meeting of Academic Council held on 29-03-2014.

The Board of Studies in **Geography (UG)** at its meeting held on 22-11-2013 has resolved to reframe the existing Geography syllabus of UG programme from the academic year 2014-15

The Faculty of Science and Technology and the Academic Council at their meetings held on 14-02-2014 and 29-03-2014 respectively approved the above proposals and the same is hereby notified.

The copy of the modified syllabus of Geography (UG) is annexed herewith.

To

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Chairperson, BOS/DOS in Geography, MGM
3. The Dean, Faculty of Science & Technology, DOS in Zoology, MGM.
4. The Principals of the Affiliated Science Colleges.
5. The Deputy/Assistant Registrar (Evaluation), University of Mysore, Mysore.
6. Sri Narasimha Murthy, Statistician, E.B. UOM, Mysore.
7. The Supdt AC.1 & AC.2, A.B., Academic Section / PMEB, UOM., Mysore.
8. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM., Mysore.
9. The Case Worker, AC.7, Academic Section, University of Mysore, Mysore.
10. The Section Guard File(Supdt.AC.2), A.B., A.C., UOM.
11. The Schedule File.

Jr S. Sampath
REGISTRAR.
University of Mysore
MYSORE.
24/5/2014

(ANNEXURE I)

GEOGRAPHY SYLLABUS FOR THE YEAR 2013-14

SEMESTER-1

PAPER – 1 PHYSICAL GEOGRAPHY, PART – 1

LAND FORMS

- 1.1 Field and Scope of Physical Geography,
- 1.2 Origin of the earth (a) Nebular theory (b) Tidal Theory
- 2.0 Distribution of land and water bodies
 - a. Tetrahedron theory and its criticism.
 - b. Continental drift theory of Wegener
- 2.1 Structure and Composition of the earth
- 2.2 Rocks-Origin, types, Characteristics
- 2.3 Weathering of rocks-physical, chemical and biological
- 3.1 Forces of the earth-Orogenic and Epirogenic- Folds and faults
- 3.2 Earthquakes and Volcanoes
 - Causes, Effects, distribution and related land forms.
- 4.0 Major landforms-Mountains, Plateaux and plain
 - Evolution, types and Characteristics.
- 5.0 Denudation-Agents of Denudation-
 - a. River b. Glacier c. Wind d. Underground water

References:

- 1. Dasagupta and Kapoor. Principles of Physical Geography, S.Chand and Co.New Delhi.2001.
- 2. Enayat Ahmed Physical Geography, Kalyani publishers Ludhiana 1982.
- 3. Mallappa:P. Physical Geography,(Kannada Version) Chethana Book House, Mysore 2000.
- 4. Rangsanath: Principles of Physical GSeography, (Kannada Version), Vidhyanidi Gadag, 2003.
- 5. Savindra Singh: Physical Geography, Pravag, Pustak Bhavan, Allahabad – 1998.

PRACTICALS -1

- 1. Latitudes, longitudes and international dateline.
Computation of local, standard and Greenwich time.
- 2. Methods of Representing relief features Hachure, Bench Mark, form lines, Spot height, trigonometrical stations, contour.
- 3. Drawing of contour Diagrams to represent the following features: Slopes-Uniform, Undulating, concave and convex, Conical hill, Plateau, Ridges, Mountain pass, spur, escarpment, V shaped Valley, rapids and water fall, island, and U Shaped valley and Hanging valley.Selected Bibliography

References:

1. Gopal Singh Map work and Practical Geography, IIIrd, Vikas Publishing House, New Delhi.
2. Gupta K.K. and Tyagi V.C Working with maps
Survey of India
Department of Science and Technology, Govt of India,
Dehra Dun 1992.
3. Jackie Smith B.A(ed) Dictionary of Geography,
Cosmo Publications, New Delhi, 1983.
4. John and Keats: Cartographic design and production, II edition 1989,
John Wiley, New York.
5. Mishra R.P. Fundamentals of Cartography 1969, Prasaranga.
6. Monkhouse F.JK and Maps and Diagrams
Wilkinson H.R. Mathuen and Co, Ltd., London, 1952.
7. Phyllis Dink Map work, x(ed) Atma Ramk & Sons Delhi, 1967.
8. Raisz E General Cartography, 1948. Tata-MC-Graw Hill,
New York.
9. Ranganath An Introduction to Practical Geography, Part 1
Kannada version, Vidhyanidhi Publications.
Gadag-582101, Karnataka.
10. Robinson. H. Elements of Cartography, John Wiley, London. 1963.
11. Singh.R.L. Elements of Practical Geography Kalyani Publishers,
New Delhi, 1979.
12. Ranganath An Introduction to Practical Geography,
Part 1, Vidyanidi Gadag, 2004.

SEMESTER – II

PHYSICAL GEOGRAPHY, PART II ATMOSPHERE AND HYDROSPHERE

- 1.0 Atmosphere- structure and composition
- 1.1 Weather and Climate-meaning and factors
- 1.2 Atmospheric temperature-distribution, vertical and horizontal
- 2.1 Atmospheric pressure-distribution, pressure belts
- 2.2 Winds-Planetary, seasonal and local.
- 2.3 Cyclones – tropical and temperate, anticyclones.
- 3.1 Humidity- Absolute and relative Humidity Condensation-clouds, types
- 3.2 Precipitation- Rainfall, types
- 4.1 Submarine topography-continental shelf, slope, deeps, Abyssal plain, ridges
- 5.1 Movements of ocean water-tides Currents-Atlantic, Pacific and Indian Ocean.
- 5.2 Coral reefs and atolls

References:

1. Barrv and Chorley : Atmosphere, Weather and Climate, new Delhi,2000
2. Lal.D.S. : Climatology, Chaitanya, Allahabad, 1985
3. Mallappa P. : Physical Geography, (Kannada Version)-Chethana Book House, Mysore 2000
4. Ranganath : Principles of Physical Geography,(Kannada Version), Vidhyanidi Gadag,2003.
5. Odum E.P. : Fundamentals of Ecology, WB Sauders Co, London, 1971
6. Sharma P.D. : Ecology and Enrronment Rastogi Publications, New Delhi,1999.

PRACTICALS PAPER II

1. Maps- Meaning-Classification-Atlas, Wall Maps, Topgraphical, Cadastral Maps
Physical and cultural maps
2. Scales: Meaning, significance, types, statement-RF, conversion of scales
Graphical Scale, Linear and Diagonal scales with illustrations
3. Enlargement and reduction of maps, Square and triangular methods

4. Meteorological instruments: Thermometers (C & F)
Maximum and minimum
Wet and dry bulb thermometer
Barometer-mercury Barometer
Aneroid Barometer
Wind vane, Anemometer
Rain gauge- dial type.

References:

1. Gopal Singh : Mapwork and Practical Geography, IIIed, Vikas Publishing House, New Delhi,
2. Gukpta K.K. and Tyagi V.C : Working with maps
Survey of India
Department of Science and Technology, Govt of India.
Dehra Dun 1992.
3. Mishra R.P. : Fundamentals of Cartography 1969, Prasaranga University of Mysore, Mysore.
4. Monkhouse F.J. and Wilkinson H.R. : Maps and Diagrams
Muthuen and Co,Ltd., London, 1952
5. Phyllis Dink : Map work x(ed)Atma Ram & Sons, Delhi,1967
6. Raisz E : General Cartography, 1948.
7. Ranganath : An Introduction to Practical Geographjy, Part I
Kannada version, Vidhyanidhi Publications,
Gadag-582101, Karnataka.
8. Robinson H. : Elements of Cartography,

9. Singh.R.L. John Wiley, London. 1963.
Elements of Practical Geography
Kalyani Publishers, New Delhi, 1979.

SEMESTER – III PAPER – III

REGIONAL GEOGRAPHY OF THE WORLD

- 1.1 Concept of region and Regional Methods.
- 1.2 Physical features of the world-major mountains, plateaux and plains types & distributions.
- 2.1 Major climatic regions of the world, based on Koppens classifications
- 2.2 Major river systems of the world.
- 2.3 Natural Vegetation-types and distribution.
- 3.0 Agriculture-influencing factors-types-shifting, intensive, extensive, plantation and maxed farming.
Industrial regions of the world-factor of industrial concentrations
Major regions-North East. U.S.A.
-Industrial regions of Japan
Western Europe
Industrial regions of China.
- 5.1 Population-Growth, Distribution and density, Demographic cycle

References:

1. Heintzelman and High Smith: kWorld Regional Geography. Prentice Hall, New Delhi 1965.
2. Husain M : World Geography, Rawat, Jaipur, 2004.
3. Tikka, BNali, Sekhon: World Regional Geography, New Academic Publishing Company, Jalandhar, 2002.
4. Ranganath : Regional geography of the world, Vidhanidhi Gadag,2006.

PRACTICAL - PAPER :- III

MAP PROJKECTION, PART- I

1. Definition, Classification and Importance
2. Cylindrical Projections-
 - a. Simple Cylindrical b. Cylindrical equal area c. Mercator's Projection.
3. Conical Projections -
 - a. Simple conical Projection. b. Conical Projection with two standard parallels c. Bonne's d. Poly conic Projection.

References:

1. M.Salar Masood : Map Projections.

- 2.Ranganath & Mallappa : Map Projections, (Kan.Ver), Chethana Book House 1986.
3. Raisz E : General Cartography, 1948
Tata-Mic-Graw Hill, New Yorkl.
4. Singh. R.L. : Elements of Practical Geography
Kalyani Publishers, New Delhi, 1979.

SEMESTER – IV PAPER – IV

HUMAN GEOGRAPHY

- 1.1 Definition-field and importance,
- 1.2 Relationship of Human geography with History,
Economics and Anthropology.
- 1.3 Development of Human Geography, Environmental determinism – Possibilism
Alexander von Humboldt, Carl Ritter, Friedrich Ratzel, Vidal de La Blach. Al
Masoodi, Al Idrisi, Ibn Batoota.
- 2.1 Culture-Cultural factors-race and religion.
- 2.2 Human Migrations-causes, types, consequences,
- 3.1 Global distribution of Primitive tribes: Eskimos, Kirgiz, Pygmies.
- 4.1 Settlements-types, rural and urban settlements location and types
- 5.1 Concept of state and nation
- 5.2 Frontiers, boundaries and buffer zones
- 5.3 Geo-Strategic theories-Heartland and Rim land theories

References:

- 1. Dickens and Pitts : Introduction to Human Geography, 1963.
- 2. Harm d. Blij : Human and Economic Geography, Mac Millan, New York 1992
- 3. Hussain M. : Human Geography, Rawat Publications Jaipur,2003.
- 4. Nellson, Gabler & :Human Geography, People, Cultures and Landscapes,1995
Vining
- 5.Peter Daniels, : Michael Bradshaw : Denis Shaw, James : Sidaway:
Human Geography, Issues for the 21st Century, Pearson 2003.
- 6. Norris and Haring : Political Geography, Charies.E.Merill Publishing Company.
- 7. Ranganath : Principles kof Human Geography (Kann.ver.) Vidyaniidhi,
Gadag,2002.
- 8. Rubenstein J.M. : An Introduction of Human Geography, Macmillan Publishing
Company 1992.

PARACTICALS-IV

MAP PROJECTIONS II

1. Zenithal Projections-Equi-distant, equal-area, Gnomonic, stereographic orthographic.
2. Conventional Projections :
 - a. Sinu soidal Projections
 - b. Mollweids Projection
 - c. Gall's Projection
3. Choice of Projections.

References:

1. M.Salar Masood : Map Projections.
2. Ranganath & Mallappa: Map Projections,(Kan.Ver),Chethana Book House 1986.
3. Raisz E.: General Cartography, 1948.,Tata-MKc-Graw Hill, N.York
4. Singh. R.L.: Elements of Practical Geography, Kalyani Publishers, N. Delhi. 1979

SEMESTER – V PAPER- V

GEOGRAPHY OF INDIA, PART – I

- 1.1 Location, Size and Extent
- 1.2 Physiographic Divisions- Northern Mountains,
Great Plains of Northern India
Peninsular Plateau
Coastal Plains and Islands
- 2.1 Climate-Seasons, Mechanism of Monsoons, Droughts and floods
- 3.0 Rivers of India
- 3.1 Soils-Characteristics-types, distribution, soil erosion, conservation and dry land development programme
- 3.2 Forest resources-types, distribution, conservation and social forestry.
- 4.2 Multipurpose river valley projects a. Bhakra Nangal b. Damodar vally project
- 5.1 Agriculture – Types, Characteristics, Green revolution, White revolution.
- 5.2 Major Agricultural regions-NRSA Classification

References:

1. Gopal singh : A Geography of India, Atmarama and Sons, new Delhi.
2. ICAR : Cropping pattern in India, 1974
3. Mathur, S.M., : Physical Geology of India, NBT 1991.
4. Ranganath : Regional and economic Geography of India(Kan.Ver) Vidyanidhi Gadag,2002
5. Ranjit Thirtha : Geography of India, Raniat, Jaipur 1996.
6. Khullar D.,R., : India a Comprehensive Geography, kalyani Publishers Ludhiana 2000
7. Tiwari R.C. : Geography of India, Prayag Pustak Bhawan, Allahabad 2 ed. 2003.

**PRACTICALS-V -
CARTOGRAMS AND INTERPRETATION OF INDIAN DAILY WEATHER
REPORT**

1. Cartograms – Significance and types
2. Line graphs Polygraph, Climograph, Hythergraph, Ergograph
3. Bar Graph-Multiple Bar Graph and Compound, Verticle single and combined
4. Thematic Mapping-Choro Schematic Choro Chromatic,,Isopleth, choropleth.
5. Block ad Pile Diagram

References:

1. Gopal Singh : Map Work and Practical Geography, IIIed, Vikas Publishing House, New Delhi,
2. MKishra R.P. : Fundamentals of Cartography 1969, Prasaranga.UOM.
3. Monkhouse F.J. and Wilkinson H.R : Maps and Diagrams Mathuen and Co,Ltd, London, 1952.
4. Robinson H. : Elements of Cartography, John Wiley, London.1963.
- 5.Singh.R.L. : Elements of Practical Geography Kalyani Publishers, New Delhi.1979.
6. Cromby R.G. : Digital Cartography.

SEMESTER – V PAPER-VI(CHOICE PAPER)

REGIOINAL GEOGRAPHY OF KARNATAKA

- 1.1 Physical setting – Location, Size and extent
- 1.2 Relief features, climate, and soils
- 2.1 Rivers-water Resources potential and utilization
- 2.2 Irrigation – types – Major River Valley Projects Thungabadra, Kali Project, Krishna Raja Sagar Project
- 3.1 Forest Resources – Types of forests, social forestry wild life sanctuaries
- 3.2 Agriculture-types and agricultural regions, dairying.
- 3.3 Mineral and power resources. Iron ore, managanese, Electricity-Power crisis.
- 4.1 Industries- Growth and development, Major industries – Sugar, Silk.
- 4.2 Transportation-Patterns of Roads and Railways-Ports and Harbours.
- 5.1 Human Resources-Growth and distribution of Population.
- 5.2Urbanisation-trends and patterns.

References:

- 1.Karnataks State Gazetter, 2 Volumes.
2. Mallappa : Geography of Karnataka(Kan.Ver)
3. MKisra R.P. : Geography of Mysore State

4. NBK Reddy and

Murthy G.S: Regional Geography of Mysore State

5.Nanjannavar : Geography of Karnataka

6.Puttaswamaiah : Economy of Karnataka 2 Volumes Oxford and 1st Publishing company 1980.

PRACTICALS-VI -

INTERPRETATION OF INDIAN TOPOGRAPHICAL MAPS

1.1 Importance of topographical maps – Types of topographical maps based on scale.

1.2 Conventional signs and marginal information of topo sheets

1.3 Interpretation of the toposheet:

1. Physical landscape - a. Relief features

b. Drainage System

c. Natural Vegetation and land use.

II Cultural land scape – settlements and Transportation network

1.4 Interpretation of Indian Daily weather reports

References:

1. Singh.R.L. Elements of Practical Geography
Kalyani Publishers, New Deohi, 1979
2. Gopal Singh Map Work and Practical Geography, IIIed, Vikas Publishing
House, New Delhi.
3. Gupta K.K. & Tyagi V.C. Working with maps
Survey of India
Department of Science and Technology, Govt of India.
4. John and Keats: Cartographic design and production, II edition 1989,
John wiley, New York
5. Mishra R.P. Fundamentals of Cartography 1969, Prasaranga, uom, Mysore
6. Monkhouse F.J. Maps and Diagrams
Wilkinson H.R. Mathuer and Co, Ltd, London, 1952.
7. Phyllis Dink Map work,x(ed) Atma Ramk & Sons, Delhi, 1967
8. Robinson H. Elements of Cartography, John wiley, London.1963.
9. D.R.Khullar Essertials of Practical Geography, New Academic Publishing
Co Nai Hiran Gate, Jalandhar,2003.

SEMESTER- V PAPER-VI(CHOICE PAPER II)

SETTLEMENT GEOGRAPHY

1. Field scope and approach of settlement Geography-Development of settlement Geography.
- 2.1 Rural Settlements – Definition, classification based on site and situation shape and Functions
- 2.2 Rural Settlement types in India
- 3.1 Housing types – Evolution of Dwellings, Influencing Factors, Construction materials, Ground Plans, Roofing types
- 3.2 Housing types in India.
- 4.1 Definition of urban settlements – Growth, stages, Location and situation.
- 4.2 Classification of urban settlements Hierarchy of urban settlements – Rank – Size rule, Concept of Primate city. Structure of urban settlements – Concentric Zone theory, sector, theory and multiple nuclei theory, CBD, Rural – Urban Fringe.

References:

1. Beaujeu-Garnier, J., and Chabot G-Urban Geography, Longmans Green & Co. Ltd., London. 1967
2. Carter, H : The Study of Urban Geography, Edward Arnold Ltd., 1975 London
3. Hudson F.S. : Geography of Settlements, Macdonald & Evans, 1970 Plymouth
4. Mitra, Ashok: Village Settlements Patterns in India, 1965.
5. Ramachandran R. : Urbanisation and Urban Systems in India OUP Delhi, 1989.
6. Rao VLS.Prakash :Urbanisation in India, Concept Publishing Company, New Delhi 1983.
7. Sumkitha Ghosh: An Introduction to settlement Geography Orient Longman Kolkata 1998
8. Hussain M. : Human Geography, Rawat Publications Jaipur, 2003.

SEMESTER V PAPER – VI(CHOICE PAPER III)

ENVIRONMENTAL GEOGRAPHY

- 1.1 Meaning and importance of environmental Geography-Concept of Environment
- 1.1 Relationship of Environmental Geography with the earth sciences, physical sciences and Biological sciences
- 2.1 Meaning and structure of Environment, components of Environment
Meaning of Ecology and Ecosystem, types and functioning of Ecosystem, Ecosystem Productivity and stability-Biosphere as an Ecosystem.
- 3.1 Energy flow in the Ecosystem-Trophic levels, food chains and food web-Ecological Pyramids-Circulation of elements in the Ecosystem-Biochemical cycles.
Biomes-Biomes of tropical rainforests, Tropical deciduous and savanna biomes
- 3.2 Human impact on Environment – Environmental pollution
 - a. Air Pollution
 - b. Water Pollution
 - c. Noise Pollution
 - d. Land Pollution
- 3.3 Depletion of ozone layer, Green house effect

3.4 Environmental impact Assessment(EIA)

- 4.1 Natural Hazards and degradation of environment-volcanoes earthquakes and cyclones
- 5.1 Conservation and Management of Physical and cultural environment
- 5.2 International and national policies on protection of earths environment-Role of UNO.

References:

1. Agarwal K.C. : Environmental Biology, Nidhi Publishers Ltd, 2001, Bikaner
2. Chaurasia B.P.: Environmkenal Pollutioin Consequences and measures
3. Mathur H.S. : Environmental Resources, The crisis of Development
4. Odum E.P. : Fundamantals of Ecology, WB Saunders Co, London, 1971.
5. Saxena H.M. : Environmental Geography Rawat, Publications, Jaipur, 1999.
6. Sharma P.D.: Ecology and Environment Rastogi Publications, New Delhi,1999
7. Strahier and Strahler: Geography and Mans Environment, John Weily, New York 1986
8. Heywood V.H. & Watson RT.: Global Biodiversity Assessment OUP,1995
9. Dash M.C. : Fundamentals of Ecology, Tata McGraw Hill New Delhi 2002.

SEMESTER – VI PAPER – VII

REGIOINAL GEOGRAPHY OF INDIA, PART – II

- 1.1 Human Resources : Growth, Distribution and Density. Composition-Literacy, Sex ratio.
- 2.1 Mineral Resources : Distribution, Production and trade of Iron, Managanese, Bauxite
- 2.2 Power resources ; Distribution, Production and trade of Coal, Petroleum, Natural gas
Electricity: Thermal Hydrel and Atomic-non conventional sources of Energy-power crisis.
- 3.1 Industries : Location, distribution and production trend of Iron steel, cotton Textiles
Sugar, Paper Industries Industrial regions.
- 4.1 Transportations : Detailed study of Network of Roads, NHDP. Railways, Airways
- 4.2 Trade : International-Volume direction and composition of Foreign trade-
Recent trends
- 4.2Tourism : factors influencing the Development of tourism, types of major tourist centers
– Problems and Prospects of tourism in India.

References:

1. Gopal Singh : A Geography of India, Atmarama and Sons, New Delhi.
2. ICAR : Cropping pattern in India, 1974.
3. Mathur, S.M. : Physical Geology of India, NBT 1991.
4. Ranganath : Regional and economic Geography of India(Kan.Ver) Vidyanidhi
Gadag.2002
5. Ranjit Thirtha : Geography of India, Rajnjat, Jaipur 1996.
6. Khullar D.R. : India a Comprehensive Geography, Kalyani Publishers Ludhiana 2000
7. Tiwari R.C. : Geography of India, Prayag Pustak Bhawan, Allahabad 2ed.2003.

PRACTICALS-VII

APPLICATION OF STATISTICAL METHODS IN GEOGRAPHY

1. Methods of data collection – Primary and secondary sources, census and sampling methods
2. Measures of Central Tendency Direct and short cut methods
 - a. Arithmetic mean
 - b. Median
 - c. Mode (grouping and formula)
3. Measures of dispersion – Mean, quartile and standard deviations

References:

1. Singh.R.L. : Elements of Practical Geography –Kalyani Publishers,s N.Delhi.1979
2. Gopal Singh: Map work and Practical Geography, IIIed,Vikas Publishing House.New Delhi.
3. mishra R.P. : Fundamentals of Cartography 1969,Prasaranaga,UOM,Mysore.
4. Zamir Alvi : Statistical Geography, Methods and Applications,
5. Rawat Publications, Jaipur 1995.

Note: Educational tour is compulsory for the places of Geographical interests in sixth semester for both B.A. and B.Sc.

SEMESTER VI - PAPER – VIII (CHOICE PAPER)

POPULATION GEOGRAPHY

1. Nature and scope of Population Geography
2. Population Growth, Distribution and density
 - a. Demographic cycle
 - b. Factors and patterns of fertility

- c. Factors and patterns of mortality.
3. Composition-Elements of Population composition
 - a. Literacy- Growth and distribution
 - b. Age structure- pyramids
 - c. Sex ratio- patterns of sex ratio.
 - d. Life expectancy – patterns
 - e. Occupational Structure
 4. Human migration – Causes, types and consequences.
 5. Problems of Population in Developed and less developed countries.
 - a. Ethnic,
 - b. Racial.
 - c. Linguistic and
 - d. Religious Problems.
 - e. Population Policies.

Reference:

1. Clarke John : Population Geography, Pergamon Press, Oxford. 1965.
2. Threwartha G.T. : A Geography of Population world pattern,
John Willey Newyork 1969
3. Robeert Woods : Population Analysis in Geography, Longman, London 1979.
4. Zelinsky W : A Prologue to Populatioin Geography, Prentice Hall NJ, 1966.
5. Hussain M : Human Geography, Rawat Publications Jaipur 2003.
6. Nellson, Gabler & Vining : Humkan Geography, People, Cultures and Landscapes, 1995.
7. Peter Daniels,
Michael Bradshaw,
Denis Shaw, James
8. Sidaway : Human Geography, Issues for the 21st Century, Pearson 2003.
9. Ranganath : Principles of Human Geography (Kan.Ver.) Vidyanidhi, Gadag.2000.
10. Rubenstein J.M. : An Introduction of Human Geography, Macmillan Pub.co.1992.

PRACTICALS – VIII

ELEMENTS OF SURVEYING AND GIS

1. Elements of Surveying Chain Surveying
 - a. Plain Table surveying radition and intersection,
 - b. Prismatic Compass- radition and intersection.
2. Geographical Information System
 - a. Meaning Components of GIS,
 - b. Spatial data Entities –Point, Line polygon,
 - c. Sources of spatial data : Census-Topographical maps, Aerial Photographs, Satellite Images

3. Spatial data structure land management.
 - a. Vector data structure
 - b. Raster data structure.
 - c. Creating data bases
4. Mapinfo Software-
 - a. Creating maps: Digitization.
 - b. Creating attribute data bases.
 - c. Creating thematic maps.

Reference:

1. Burrough P.A. : Principles of GIS, OUP 1998.
2. Maguire D.J. : Computer in Geography, Longman, London 1989.
3. Star J.C. and J.E. : Geographic Information Systems, An introduction.

SEMESTER VI PAPER- VIII (CHOICE PAPER II)

ECONOMIC GEOGRAPHY OF THE WORLD

1. Definition field, importance and approaches of Economic Geography
Resources-Concept, Characteristics, types-conservation and Management.
- 2.1 Agriculture-major crops-Rice, wheat, cotton sugarcane-coffee and tea.
- 2.2 Animal Husbandry- dairy farming regions.
- 2.3 Fishing-Influencing factors- major Fishing areas-aqua culture.
- 3.1 Mineral resources-iron ore, managanese.
- 3.2 Power Resources-coal, petroleum.
- 4.1 Industrial Location-factors influencing industrial location,
- 5.1 Transcontinental Roads and Railways-Major ocean routes
–shipping canals of the world
- 5.2. International trade-basis of trade, Patterns and trends

Reference:

1. Alexander and Hartshorne : Economic Geography Prentice-Hall, IIIed.2000
2. Guha and Chatterj : A New approach to Economic Geography.
3. Khanna and Gupta : World Resources and Trade, S.Chand and Company, New Delhi.
4. Mallappa : Economic Geography(Kan.Ver)Chetana Book House, Mysore-2001.
5. Ranganath: Geography of Industrial Resources, Vidyanidhi Prakashna Gadag 2001.

SEMESTER VI PAPER-VIII (CHOICE PAPER III)

GEOGRAPHY OF TOURISM

- 1.1 Tourism – Meaning, importance and scope of Geography of Tourism
- 1.2 Geography of Tourism as a branch of Human Geography.
- 1.3 Tourism and sustainable Development.

- 1.4 Tourism Geography- a multi disciplinary approach-Relationship between Geography of tourism with History, Ecology and Economics.
- 2.0 Tourism-Influencing factors-Tourism Resources – Geographical, Cultural, Political and Social- Measures to facilitate tourism
- 3.1 Tourism-types-Domestic and International-Recreational, Religious, Eco-tourism Ethnic Tourism
- 3.2 Major inter national tourist centers and destinations-Flow patterns.
- 4.1 Tourism in India- types and Major tourist centers.
- 4.2 Programmes of Development.
- 5.1 Tourism Planning – Heritage Planning.
- 5.2 Impact of tourism, - Economic and social.

References:

1. Jagmohan negi and Gauraav N Manohar : Tourism-India,50 years of Independence,1947-97 status
2. MKonohar Sajani : Encyclopedia of Tourism resources in India Gyan, Publications, 2001, New Delhi.
3. Gosdwami V.K. : Tourism in India, Gyan Publicatioins, 1997
4. Manohar Sajani : Tourism and growth, Management and incentives Gyan Publications 2002
5. Bezbaruah M.P. : Indian Tourism, Beyond Millennium, Gyan Publications 1999.
6. Batta N. : Tourism and the environment, Indus books 2004.
7. Bhardwaj, Kandan Chaudhary : Domestic tourism in India, Indus Books, 2004.

Note: educational tour is compulsory for the places of Geographical interests in sixth semester for both B.A and B.Sc.

The paper Geography can be taught under the following combinations in science colleges.

Combinations :

- | | |
|---|---|
| 1. Physics, Mathematics, Geography | 6. Statistics, Mathematics, Geography |
| 2. Mathematics, Cartography, Geography | 7. Statistics, Economics, Geography |
| 3. Computer Science, Cartography, Geography | 8. Physics, Geology, Geography. |
| 4. Computer Science, Mathematics, Geography | 9. Botany, Chemistry, Geography. |
| 5. Geology, Enviromental Science, Geography | 10. Botany, Environmental Science, geography |

