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# UNIVERSITY OF MYSORE



Estd. 1916

VISHVAVIDYANILAYA KARYA SQUADHA  
CRAWFORD HALL, POST BOX NO. 406  
MYSORE-570 005

No.AC.2(S)/384/14-15

Dated:10-06-2015

## NOTIFICATION

**Sub:** Changes in the syllabus of UG programme in Geography.

**Ref:** 1. Proceedings of Faculty of Science & Technology Meeting held on 02-02-2015.  
2. Proceedings of the Meeting of Academic Council held on 27-03-2015.

The Board of Studies in **Geography (UG)** at its meeting held on 20-11-2014 has resolved and recommended to make minor Changes in the syllabus of the VII semester practical paper.

### APPLICATION OF STATISTICAL METHODS IN GEOGRAPHY

	Existing syllabus	Modified
1.	Methods of data collection- primary and secondary sources, Census Data. Sampling methods	Methods of data collection- primary and secondary sources, Census Data. Sampling methods
2.	Measures of central tendency – Direct and short cut methods.  A. Arithmetic mean. B. Median. C. Mode (grouping and formula)	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 deviation.	Measures of dispersion- Mean, Quartile, and standard deviation.
4.		"Socio economic survey of a village/Town/Region" and submit report.

The Faculty of Science and Technology and the Academic Council at their meetings held on 02-02-2015 and 27-03-2015 respectively have approved the above proposals and the same is notified.

The copy of Changes in the syllabus of UG programme in Geography is annexed.

**DRAFT APPROVED BY THE REGISTRAR**

*[Signature]*  
16/6  
REGISTRAR

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 Earth Science, MGM.
4. The Director, College Development Council, UOM, Mysore.

## (ANNEXURE I)

### GEOGRAPHY SYLLABUS FOR THE YEAR 2014-15

#### 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. Ranganath: Principles of Physical Geography, (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 Wilkinson H.R. Maps and Diagrams 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, ATMOSPHERE AND HYDROSPHERE  
PART II**

- 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 Geography, Part I  
Kannada version, Vidhyanidhi Publications,  
Gadag-582101, Karnataka.
8. Robinson H. Elements of Cartography,  
John Wiley, London. 1963.
9. Singh.R.L. Elements of Practical Geography  
Kalyani Publishers, New Delhi, 1979.

**SEMESTER – III**  
**REGIONAL GEOGRAPHY OF THE WORLD**  
**PAPER – III**

- 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: World 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 & Vining :Human Geography, People, Cultures and Landscapes,1995
- 5.Peter Daniels, : Michael Bradshaw : Denis Shaw, James : Sidaway:  
Human Geography, Issues for the 21<sup>st</sup> 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. Sinusoidal 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**

1. Cartograms – Significance and types
2. Line graphs – Simple, Double, Polygraph, Climograph, Hythergraph, Ergograph
3. Bar Graph- Single and Combined; Compound bar graph – vertical and horizontal.
4. Block Pile, and Pie Diagram
5. Thematic Mapping-Choro Schematic Choro Chromatic, Isopleth, choropleth.

### **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.



5.2 Urbanisation-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 1<sup>st</sup> Publishing company 1980.

**PRACTICALS-VI -**

**INTERPRETATION OF INDIAN TOPOGRAPHICAL MAPS AND INTERPRETATION  
OF INDIAN DAILY WEATHER REPORT**

- 1.1 Importance of topographical maps – Types of topographical maps based on scale.
- 1.2 Conventional signs and marginal information of toposheets
- 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

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|-------------------------------------|--|
| 6. Monkhouse F.J.<br>Wilkinson H.R. | Maps and Diagrams<br>Mathuer and Co, Ltd, London, 1952.  |
| 7. Phyllis Dink                     | Map work,x(ed) Atma Rank & Sons, Delhi, 1967   |
| 8. Robinson H.                      | Elements of Cartography, John wiley, London.1963.  |
| 9. D.R.Khullar                      | Essertials of Practical Geography, New Academic Publishing<br>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 Settlement s – 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
- 3.2Housing 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 Eco system, types and functioning of Eco system, Ecosystem Productivity and stability-Biosphere as an Eco system.
- 3.1 Energy flow in the Ecosystem-Tropic levels, food chains and food web-Ecological

- Pyramids-Circulation of elements in the Ecosystem-Biochemical cycles.  
Biomes-Biomass 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.: Environmktental 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, Manganese, 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

4.2 Tourism : 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.
4. **Project work: Socio Economic Survey of a Village/Town/Region and submitting a Report**

### References:

1. Singh.R.L. : Elements of Practical Geography –Kalyani Publishers, N.Delhi.1979
2. Gopal Singh: Map work and Practical Geography, 3rd ed, Vikas Publishing House. New Delhi.
3. Mishra R.P. : Fundamentals of Cartography 1969, Prasarana, 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 21<sup>st</sup> 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 radiation and intersection,
  - b. Prismatic Compass- radiation 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. Map info 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, manganese.
- 3.2 Power Resources-coal, petroleum.
- 4.1 Industrial Location-factors influencing industrial location,
- 5.1 Transcontinental 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 international tourist centers and destinations-Flow patterns.
- 4.1 Tourism in India- types and Major tourist centers.
- 4.2 Programs of Development.
- 5.1 Tourism Planning – Heritage Planning.
- 5.2 Impact of tourism, - Economic and social.

#### **References:**

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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. Physices, 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, <b>geography</b> |

(ANNEXURE II)

INTERNAL EXAMINERS

SL.No.	Name	Address
1	Jayaramaiah K.B.	H.K.Veerannagowda First Grade College, Maddur
2	Manje Gowda D.B	Sri Ac College of Arts and Commerce, Nagamangala
3	Melagiri Gowda	Sri Adichunchanagiri First Grade College, C.R.Patana
4	Yuvaraju. B	Sri Adichunchanagiri, FGC, C.R.Patna
5	Venkatesh T	Vidyodaya college of arts and commerce, T.Narasipur
6	Naganna E	Sri Adichunchanagiri, FGC, C,R.Patana
7	Sarvamangala	JSS college, Nangangud
8	Mahadeva Swamy C.P	Govt First Grade College, K.R.Nagar
9	Fazila Banu	Maharaja's college, Mysore
10	Vishakanthaiah J	Govt FGC, Saligrama
11	Dhananjaya Y.D.	M.Marimallappa's college arts and commerce FGC Mysore
12	Ere Gowda K.P.	Vijaya FGC, Pandavapura
13	Seenappa	H.K.Veerannagowda FGC Maddur
14	Mariswamy P	P.L.N, FGC, Poorigali
15	Shrinivasa	D.Devaraja Urs FGC, Hunsur
16	Mariswamappa	JSS college Nanjangud
17	Prakasha Murthy D V	Biligiri Education FGC Yelendur
18	Ashwatharayana V.S.	Maharaja" college Mysore
19	Thejoman B.D.	Maharaja's college Mysore
20	Kamala H.	Maharaja's college Mysore
21	Somanna N.	JSS college of arts and commerce, Gundlupet
22	Venkata Ramu S	S.B.R.R. Mahajana First grade college, Mysore
23	Prakash S P	Shree Adichunchanagiri FGC, H.D.Kote
24	Somashekara K.K.	S.B.R.R. Mahajana First grade college, Mysore
25	Shree Harsha B.S.	Vidyavardhaka college of commerce and BBM, Mysore
26	Mahesh Kumar	Shree Adichunchunagiri FGC H.D.Kote
27	Prabhuswamy H.K.	JSS college of arts and commerce,



		Gundlupet
28	Vasuma M.G	Maharani's college of arts for women, Mysore
29	Kalavathi	Maharani's college of arts for women, Mysore
30	Narayanaswamy M.N.	Govt FGC K.R.Pet
31	Somashekara Desai	Govt arts college, Hassan
32	Rathnamma M.	Sri Mahadeswara college, Kollegala
33	Rajashekaramurthy M.S	Sri Mahadeswara college, Kollegala
34	Krishnappa	Kalpatharu FGC K.R.Pet
35	Shivaiah A.V.	Sri Mahadeswara college, Kollegala
36	Somashekarana	Shree Adichunchanagiri FGC, H.D.Kote
37	Bharathi	D.Banumaiah's college Mysore
38	Shivalingappa	Vidodaya college of arts and commerce, T.Narasipur
39	Raghu Kumar S	Keragodu Education society FGC Keragodu
40	Mamatha C	JSS college for women, Kollegal
41	Mahadevaprasad A.N.	JSS college for women Chamarajanagar
42	Manjunatha H.R	University evening college Mysore
43	Bharathi P.T.	Maharaja's college Mysore
44	Saritha K.	Maharani's arts college for women, Mysore
45	Sundara Murthy S	Govt FGC Kanur
46	Muniraja D.H.	Govt FGC Chamarajanagar
47	Nagarathna H.R.	D.Banumaiah's college Mysore
48	Vishwanathan M	Govt FGC, K.R.Nagar
49	Chandrakumar	Govt FGC, K.R.Pet
50	Smitha S.	JSS college for women, Kollegal
51	Manjunatha B	JSS college for women, Kollegal
52	Tanuja M.Y	Keragodu education society FGC Keragodu
53	Nagesha C S	V.S.S. FGC Sadanapura, Hunsur
54	Anitha C.B.	Sidhartha FGC, Chamarajanagar

**EXTERNAL MEMBERS**

SL	Name	Address
	Prof.Nirmala	Dept of geography, Abbas Khan college, Bangalore
2	Dr. Prasanna	Dept of geography, Govt Arts college, Bangalore
3	Dr.C.Mallanna	Dept of geography, dept of geography, C.H. College, Haveri
4	Prof. Manjunatha Swamy	PASE college, Tiptur
5	Prof. Munikrishna	PASE college, Tiptur
6	Jagadish	Kalpatur, FGC, Tiptur
7	Ningegowda	Kalpatur, FGC, Tiptur