

**Subject- Geography**  
**B.A./B.Sc.**  
**SESSION - 2011-12**

The three year B.A./B.Sc. course in geography shall be spread over three Academic Sessions viz. Part-I, Part-II, Part-III. There will be two theory papers carrying 75 marks each and a Practical of 50 marks in the first two years. In Part-III, there will be three theory papers carrying 50 marks each and a Practical of 50 marks.

The candidates must pass in theory and Practicals separately obtaining at least 36 percent marks in each. No private candidate is allowed. Failed candidates shall not be required to undergo practical training. They might submit the old Record Book or a new one.

**Class-wise Schedule of papers is as follows :-**

**B.A./ B.Sc. Part-I**

|                             |         |
|-----------------------------|---------|
| Paper- I Physical Geography | M.M. 75 |
| Paper- II Human Geography   | M.M. 75 |
| Practicals                  | M.M. 50 |

**B.A./B.Sc. Part-II**

|                              |         |
|------------------------------|---------|
| Paper- I Economic Geography  | M.M. 75 |
| Paper- II Geography of India | M.M. 75 |
| Practicals                   | M.M. 50 |

**B.A./B.Sc. Part-III**

|   |         |
|---|---------|
| Paper- I Geographical thought                                     | M.M. 75 |
| Paper- II Environmental Studies                                   | M.M. 75 |
| Paper- III Regional studies of any one of the following regions:- | M.M. 75 |
| (A) South West Asia   |         |
| (B) South East Asia   |         |
| (C) Far East Asia   |         |
| Practicals  | M.M. 75 |

# **B.A./B.Sc. Part-I**

## **Paper-I : Physical Geography**

### **Course Contents:**

- Unit-I Lithosphere** Nature and Scope of Physical Geography : Geological Time Scale, Origin of the Earth, Interior of the Earth Origin of Continents and Oceans, Isostasy, Earthquakes and Volcanoes, Geosynclines, Mountain Building with special reference to folded mountains, Concept of Plate Tectonics.
- Unit-II** Rocks-their origin, classification and characteristics, Earth movements- Folding, Faulting and Wrapping, Weathering and Erosion, Cycle of Erosion by Davis and Penk, Drainage Pattern, Evolution of Land forms by River, Wind, Glacier and Underground water.
- Unit-III Atmosphere** ; Composition and Structure of atmosphere : Insolation, Horizontal and Vertical distribution of temperature, Atmospheric pressure and winds, Airmasses and Fronts, cyclones and anti-cyclones, Humidity, precipitation and rainfall types, Major climate types- Equatorial, Monsoon, Mediterranean, West European and Hot Desert.
- Unit-IV Hydrosphere** : Ocean Bottoms, composition of marine water-temperature and salinity, Circulation of Ocean water-Waves, Currents and Tides, Ocean deposits, Corals and atolls, oceans as storehouse of resources for the future.
- Unit-V Biosphere** Components of Biosphere, Plants and animals evolution, dispersal and distribution : Biotic succession, Biome types and Zoo-geographical regions of the world , Biosphere as a global Eco-System.

### **Books Recommended :**

1. Strahler, A N and Strahler, A.H. : Modern Physical Geography.
2. Barry, R.G. and Chorley, R.J. Atmosphere, Weather and Climate.
3. Trewartha, G.T. Elements of Physical Geography
4. Pears, N.: Basis Biography.

5. Sharma, R.C. and Hukku, M : Oceanography for Geographers.
6. Singh, Savindra : Physical Geography (Eng./Hindi)
7. Lal, D.S. : Climatology (Eng./Hindi)
8. Singh, J. and Singh, K.N. Bhautik Bhoogol (Hindi)
9. Agarwal, K.M.L.: Bhautik Bhoogol (Hindi)
10. Tiwari, A.K. Jalvau Vijyan Ke mool tatva - Rajasthan Hindi Grantha Academy Jaipur 2000.

### **B.A./ B.Sc. Part-I**

#### **Paper - II : Human Geography**

**Unit-I Concept and Nature** ; Meaning, Scope and Development of Human Geography, Man and Environment relationship-Determinism, Possibilism, Neo-determinism, Probabilism, Basic principles-Principle of Activity or Change, Principle of Terrestrial Unity or whole.

**Unit-II Habitation (Population and Settlement)**

Distribution of population and world pattern, global migration - causes and consequences, concept of over population and under population. Human Settlements - Origin, types (Rural-Urban) characteristics, size and distribution. House types and their distribution with special reference to India.

**Unit-III Economy** Evolution of Human Economy ; Sequence of human occupation, Primitive Economics-Food gathering, Hunting, Pastoral herding, Fishing, Lumbering and Primitive agriculture. Later major innovations and their impact.

**Unit-IV Society and Culture** Evolution of man (Australopithecus, Homo Erectus, Homosapiens. Man's spread over the earth during the Pleistocene) cultural Diffusion, Cultural realms. World Human Races-Classification, Characteristics and Distribution.

**Unit-V Population Tribes** : Some typical modes of life of world Tribes-Eskimos, Kirghiz, Bushman, Masai, Semang and Pygmies.

Habitat, Economy and Society of Indian Tribes-Bhotias, Gaddis, Tharus, Bhil, Gond, Santhal, Nagas (with reference to their present-day transformation)

### **Books Recommended**

1. Spencer, J.E. and Thomas, W.L. Introducing Cultural Geography.
2. Thomas, W.L. (ed.) Man's Role in Changing the Face of the Earth.
3. Perpillou, Human Geography
4. Smith, D.M. Human Geography-A Welfare Approach
5. Forde, C.D., Habitat, Economy and Society
6. Dicken, S.N. and Pitts. F.R., Introduction to Human Geography.
7. Kaushik, S.D., Manav Bhoogol (Hindi)
8. De Blij, H.J., Human Geography, Culture, Society and Space, John Wiley, New York, 1996
9. Prasad, Gayatri, Sanskritik Bhoogol (Hindi)
10. Singh, J, Manav Bhoogol (Hindi)
11. Bansal, S.C. Manav Bhoogol (Hindi)
12. Jain and Borha, Sankritic Bhoogol.
13. Srivastava, V.K. and Rao, B.P. Manav Bhoogol
14. Thakur, B.S., Manav Bhoogol.
15. Jordon, T.G. and Lawntre, The Human Mosaic
16. Hira Lal, Jansankhya Bhoogol
17. Fellman, J.L. Human Geography-Landscapes of Human Activities, Brown and Bench man, Pub. U.S.A. 1997.
18. Michael, Can, New Patterns : Process and change in Human Geography. Nelson, U.K. and Canada, 1996.

### **PRACTICALS**

#### **(A) Lab Work**

**Unit-I The nature and scope of cartography, Scales-** Construction of Comparative, Diagonal and Vernier Scales. Calculation of area of maps of different shapes by graphical and arithmetical methods.

**Unit-II Map Projections :** General Principles : Classification, properties and choice of map projections - merits and demerits. Construction of Cylindrical Equal area, Mercator's, Conical with two Standard Parallels, Bonne's, Polyconic, Gnomonic Polar Zenithal and Stereographic Polar Zenithal projections.

**Unit-III Methods of showing relief** : Hachures, shading, contours & layertints ; representation of different landforms by contours. Drawing of profiles - cross & long profiles, super imposed, composite & projected profiles. Slopes & gradients.

**Unit-IV Topographical Maps**

Introduction : Expansion and Indexing : Coverage, Scale and Topo Symbols.

Study and Interpretation of One Inch/1:50,000 Survey of India Toposheets - representing Plain, Plateau and Mountain areas under the following heads- Relief, Drainage Characteristics, Land-use, Settlement types and patterns, and means of Transport and communication with special reference to recognition of Land forms based on contours and profiles drawn on them.

**DIVISION OF MARKS :**

Lab Work-One question from each unit with internal.

Choice (Duration - Three Hours) 40

Viva-Voce & sessional records 10

**Books Recommended**

1. Monkhouse, F.J. : Maps & Diagrams.
2. Robinson, A.H : Elements of Practical Geography.
3. Singh, R.L. Elements of Practical Geography.
4. Mishra, R.P. and Ramesh, A : Fundamentals of Cartography.
5. Singh, L.R. & Singh, R.N. Map work and Practical Geography (Eng./Hindi)
6. Sharma, J.P. Practical Geography (Hindi)
7. Lal Hira : Prayogatmak Bhoogol Ke Adhar (Hindi)
8. Tiwari, R.C.; Tripathi, Sudhakar : Abhinav Prayogic Bhoogol.

बी.ए. भाग एक प्रायोगिक भूगोल का संशोधित पाठ्यक्रम निम्नवत् प्रस्तावित है—

**Marks : 50**

**(A) Lab work**

**Unit-I** Use and construction of comparative, Diagonal and Vernier Scale. **10**

**Unit-II** (a) Methods of showing the following relief features by contour- conical Hill, Water fall, Saddle, Flood plain, Meandering, Oxbow lake, Scarpment, Fault Plateau, Disected Plateau, Cliff, Fiord and Ria coast. **05**

(b) Physical and cultural interpretation of 1:50,000 survey of India toposheets of plain, plateau, mountain regions of India under the following heads : Relief, Drainage, land use, settlement types and patterns, means of transport and communication, impact of physical elements and cultural elements. **05**

**Unit- III** Representation of statistical data by following methods. Graphs : Band graph, Hythergraph and Climograph, Diagrams : Compound bar, Wheel, Rectangle, Circle, Wheel and Wind rose. Distribution Maps : Dot method, Isopleth and Choropleth. **10**

**(B) Surveying** **10**

Survey and construction of map by plane table : Radiation, Intersection and Resection methods

**(C) Viva and Record.** **10**

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