

Mahajana Education Society (R)  
Education to Excel  
**SBRR Mahajana First Grade College (Autonomous)**  
Jayalakshmipuram, Mysuru – 570 012 Karnataka, INDIA  
Affiliated to University of Mysore,  
Re-Accredited by NAAC with 'A' Grade, College with Potential for Excellence

## **DEPARTMENT OF GEOGRAPHY**

MODIFICATION PAPER FOR UNDER CHOICE BASED CREDIT SEMESTER SYSTEM (CBCSS) AND CONTINUOUS ASSESSMENT GRADING PATTERN (CAGP) OF THE OPTIONAL SUBJECT GEOGRAPHY B.A PROGRAMME

### **B.A GEOGRAPHY (For I and II semesters)**

#### **B.A I Semester Core Course (Paper-I)**

Teaching hours: 8hrs (theory 4hrs + Practical 4hrs) Credit 4:0:2 Total 6 credits

**Title of the Paper: Physical Geography (60 Hrs lectures)**

**Unit 1. Physical Geography: 10**

- a). Meaning, Definition, Field, Nature and Scope,
- b) Components of Earth System- Lithosphere, Atmosphere, Hydrosphere and Biosphere.
- c) Theories regarding origin of the Earth: Nebular and Tidal theories

**Unit 2. Lithosphere: 15**

- a) Structure and Composition of the earth.
- b) Distribution of land and water bodies: Wegner's Theory of Continental Drift.
- c) Rocks
- d) Weathering

**Unit3. Geomorphic agents and processes of Denudation 10**

- i) River ii) Glacier iii) wind iv) Underground water

**Unit 4. Atmosphere 15**

- a) Meaning, composition and structure of Atmosphere.
- b) Atmospheric Temperature – Distribution, vertical and horizontal.
- c) Atmospheric Pressure - Distribution, Pressure belts of the world.
- d) Winds system - types - Planetary, seasonal, local and Variable winds.

- a) Submarine Topography
- b) Tides
- c) Ocean currents- Indian and Pacific.

**References:**

1. Conserva H. T., 2004: Illustrated Dictionary of Physical Geography, Author House, USA
2. Gabler R. E., Petersen J. F. and Trapasso, L. M., 2007: Essentials of Physical Geography (8th Edition), Thompson, Brooks/Cole, USA
3. Garrett N., 2000: Advanced Geography, Oxford University Press
4. Goudie, A., 1984: The Nature of the Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford
5. Hamblin, W. K., 1995: Earth's Dynamic System, Prentice Hall, N.J
6. Husain M., 2002: Fundamentals of Physical Geography, Rawat Publications, Jaipur
7. Monkhouse, F. J. 2009: Principles of Physical Geography, Platinum Publishers, Kolkata
8. Strahler A. N. and Strahler A. H., 2008: Modern Physical Geography, John Wiley & Sons, New York
9. R.N Tikka - Physical Geography
10. Savindra Singh – Physical Geography
11. Dr. Ranganatha: Praakrutika Bhoogolashasthrada Moolatathvagalu
12. S.S.Nanjannavara: Bhouthika Bhoogolashasthra
13. Mallappa. P: Praakrutika Bhoogolashasthra
14. M.B.Gowdara: Praakrutika Bhoogolashasthra

## B.A I-Semester, Practical Paper – I

### Title of the Paper- Maps & Scale, Representation of Relief features & Meteorological Instruments

Total Teaching Hours: 60

**Unit 1.a) Maps:** definition, types and importance of maps-characteristics features of maps.  
b) **Scales:** definition and types, conversion of statements into RF, RF into statement, Construction of graphical scales - linear and diagonal. Enlargement and reduction of maps: square and triangular method.

c) Latitudes and longitudes- Longitude and time -local, standard and Greenwich- time zones- Calculation of time- International Date Line **20**

**Unit 2. a) Methods of representing Relief features** –Introduction, Hachure, Bench mark, Form lines, spot height, Trigonometrical stations, contour.

b) **Contours diagrams representing following relief features-** Uniform, Undulating, Concave, Convex slopes. Conical hill, plateau, ‘V’ shaped valley, U shaped and hanging valley, rapids and waterfalls. **20**

**Unit 3. Meteorological Instruments-** Functions and uses - Centigrade & Fahrenheit Thermometer, Maximum and Minimum thermometer, Mercury barometer, Wind vane, Rain gauge, Aneroid Barometer, Cup Anemometer **20**

#### References:

1. Gopal Singh: Map Work and Practical Geography, III ed, 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. Mishra R.P: Fundamentals of Cartography, 1969, Prasaranga, University of Mysore, Mysore.
4. Monkhouse F.J: Maps and Diagrams, Wilkinson H.R: Mathuen and Co, Ltd., London, 1952.
5. Raisz E : General Cartography, 1948. Tata-MC-Graw Hill, New York.
6. Ranganath: An Introduction to Practical Geography, Part I Kannada version, Vidhyanidhi Publications, Gadag-582101, Karnataka..
7. Singh. R.L: Elements of Practical Geography, Kalyani Publishers, New Delhi, 1979.
8. S.S.Nanjannavara and Karannavara: Praayogika Bhoogolashasthra
9. Dr. Ranganatha: Praayogika Bhoogolashasthra

## **B.A II Semester Core Course (Paper – II)**

**Teaching hours: 8hrs (Theory 4hrs + Practical 4hrs) Credit 4:0:2 Total 6 credits**

**Title of the Paper: Human Geography (60 Hrs lectures)**

- Unit 1.a)** Definition- field and scope of human Geography. Branches and Importance of Human Geography.
- b) Development of human geography- contributions of Germans, French and Americans. ArabGeographers **15**
- Unit 2.** Conceptual approaches to the study of man - Environmental Relationship- Environmental determinism, Possibilism, Probabalism **10**
- Unit 3.** Global cultural diversities- Culture - diffusion of culture. Hagger strand theory of diffusion-Race, Religion, Language, Global patterns of Tribes **10**
- Unit4.** Cultural Realms of the World - Study of major Realms with reference to ecology, economy and culture **10**
- Unit 5.** Human migrations- causes, types, consequences **15**

### **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 st Century , Pearson 2003.
6. Norris and Haring : Political Geography, Charles. E. Merrill Publishing Company.
7. Ranganath : Principles of Human Geography ( Kan. Ver.) Vidyanidhi, Gadag, 2002.
8. Rubenstein J.M : An Introduction to Human Geography, Macmillan Publishing Company 1992.
9. Mallappa.P: Maanava Bhoogolashastrada Moolatathvagalu
10. S.S.Nanjannavara: Maanava Bhoogolashastra

## B.A II Semester, Practical Paper – II

### Title of the Paper - Map projections

<b>Unit.1.a)</b> Map projections – Definition, Classification and importance. b)Basic diagrams	<b>10</b>
<b>Unit.2.</b> Cylindrical projection-Simple cylindrical, Cylindrical equal area, Mercator’s projections	<b>10</b>
<b>Unit.3.</b> Conical projections - Simple conical projections, Conical projection with the two standard parallels, Bonne’s projection, Polyconic projection.	<b>15</b>
<b>Unit.4.</b> Zenithal projections – polar case, Zenithal equidistant, Zenithal equal area, Zenithal gnomonic, Zenithal stereographic, Zenithal orthographic.	<b>10</b>
<b>Unit.5.</b> Conventional projections - Sinusoidal projection, Mollweid’s projection, Galls projections	
<b>Unit.6.</b> Choice of map projections and Uses	<b>15</b>

**Note: The above map projections should be constructed with exercises, properties and uses.**

#### References:

1. Salar Massod. M. : Map Projections, Roa and Raghavam Co., Mysore.
2. Ranganath & Mallappa : Map Projections ( kan version ), Chetana, Book House, Mysore.
3. Erwin Raisz : General Cartography; Mc Graw- Hill book company Inc.
4. Singh R L : Elements of Practical Geography, Student’sFriends, Allahbad.
5. George P Kellaway : Methuen & Co. , Ltd., London.
6. Gopal Singh : Mapwork & Practical Geography, Surjeet Book Depot, New Dehli
7. Mallappa. P: Naksha prakshepagalu
8. Nanjannavara: Praayogika Bhoogolashasthra