

Department of Geography, University of Allahabad

Revised Syllabus for BA / B.Sc. II for Session 2020-21  
Paper I: Regional Geography

- Unit-I** Concept of region in geography; Systematic vs Regional Geography, Types of regions (formal and functional), Criteria of delimitation and characteristics of natural, economic and political regions.
- Unit-II** Asia in the context of world; Structure; relief; Drainage; Climate; Natural vegetation Spatial distribution of population; Economic base.
- Unit-III** Europe: Physical, Economic and Demographic characteristics; Regional studies of British Isles and Mediterranean realm.
- Unit-IV** South America and Australia: Physical, economic and demographic set up; Regional studies of Brazil and Australia.

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Paper II: Geography of India

- Unit-I** Structure, Relief and Drainage; Climate, Droughts and Floods, Climatic classification by Koppen and Thornthwaite; Soil types and distribution; Soil erosion and Conservation.
- Unit-II** Major minerals (Iron ore, Copper, Manganese and Bauxite)-Distribution, Production and Utilization. Distribution and Production of Coal, Mineral oil. Agriculture - Trends and Problems, Green and White revolution and Agro-climatic regions.
- Unit-III** Industrial growth and development; Industrial localization with reference to Iron and Steel, Cotton Textile, Sugar. Industrial Regions. Population-Density, Distribution and growth trends and problems.
- Unit-IV** Trends of Urbanization, Urban problems, Planning regions, Multi-level planning, Bases of India federalism, Environmental Pollution in India.

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Paper III: Practical

- Section A** Earths spherical coordinates and their transformation:  
**15 Marks** The system of Earth's spherical coordinates, latitudes, longitudes and their characteristics, direction, distance and area. Principles of Transformation: Perspective and Non-perspective Map Projections, Developable Surface, Scales, Areas, Shapes and Directions, Standard Parallels, Meridians and Central Meridians. Construction of Map Projections: Conic with Two Standard Parallels Projection, Bonne's Projection, Cylindrical Equal Area Projection, Mercator's Projection, Zenithal Equidistant Projection, Stereographic Projection (Polar Case)
- Section B** Cartographic representation of spatial data:  
**15 Marks** Processing of Spatial Data: Absolute and Derived quantities, Correlation Analysis, Symbolization of spatial data: Types of symbols, Symbolisation of Point, Line, Area and Surface data with their Measurement Scale. Mapping of Point, Line, Area and Surface data: Dot method (single and multiple) Traffic Flow Map, Choropleth and Isopleth Map.
- Surveying** Indian Clinometer  
**10 Marks**
- Viva-Voce** Based on Field Work  
**05 Marks**
- Record File** Lab Work Based  
**05 Marks**