

Department of Geography, University of Allahabad

Revised Syllabus for BA / B.Sc. II for Session 2022-23

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