

Department of Geography, University of Allahabad

Revised Syllabus for BA / B.Sc.- III
for Session 2024-25 (W.e.f.- 2020-21)

Paper I: History of Geographical Thought

Unit-I Meaning and scope of geography; Changing philosophy of geography; Geography as an inter-disciplinary science; Geography as social science; Explanations in Geography

Unit-II Development of Geography in the ancient classical period; Contributions of Greek, Roman, Indian and Chinese scholars; Geography in the dark ages – contributions of Arab geographers; Discoveries and their impacts.

Unit-III Development of Geography in the modern classical period; Rise of philosophical and scientific analysis in geography; Contributions of German, French, British and American schools of thought

Unit-IV Dichotomies in geography: physical vs human, systematic vs regional etc. Different approaches to the study of geography – areal differentiation, landscape, ecological and locational. Development of geography in the first half of the 20th century.

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Paper II: Earth Dynamic System

- Unit-I** Origin of Continents, Ocean, Basins; Theories of Lothian Green, A. G. Wegener; Plate Tectonic Theory; Isostasy; Volcanism and associated landforms.
- Unit-II** Folding and Faulting; Formation of fold Mountains; Theories of mountain building-Geosynclinal Theory of Kober, Convection current theory of Holmes, Plate Tectonic Theory; Earthquakes and Tsunamis
- Unit-III** Cycle of Erosion by W. M. Davis and W. Penck; Interruption in Normal Cycle of Erosion and Polycyclic Relief; Mass Movement of Rock wastes; Mechanism of Coastal, Periglacial processes and resultant landforms.
- Unit-IV** Global Radiation and Global Warming; General Atmospheric Circulation; Indian Monsoon and Jet Stream; El-Nino phenomena, Southern Oscillation; Tropical and Temperate Cyclones; Theories of Precipitation.

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Paper III: Geography of Population and Settlement

Unit-I Meaning and Scope of Population Geography; Population processes -Growth and Demographic Transition; Distribution and Density, Pattern of Population; Structure and Composition of Population with special reference to India; Migration-Causes and Types; Population Policy in India.

Unit-II Over Population, Under Population; Optimum Population; Population Resource Regions; Population Problems in India; Theories of Malthus, Marx and Rostov

Unit-III Meaning and Scope of Settlement Geography; Evolution and types of Settlements; Rural Settlements-Types and Patterns, Size, Spacing and Morphology; Urban Settlements-Types and Patterns, Size, Spacing and Morphology, Classification of Towns.

Unit-IV Central Place Theory; Trends of Urbanization in India; Urban Slums and Urban Pollution; Rural-urban Fringe; Problems and Planning of Urban Settlements; Urban Policy in India.

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Section A 20 Marks	<p>Topographical maps</p> <p>(a) Scales of different topographical maps</p> <p>(b) Representation of reliefs: contours - types, intervals, slopes, characteristics and Patterns representation of important landforms by contours and their cross-sections.</p> <p>(c) Representation of physical and man-made features by conventional symbols.</p> <p>Geological Map</p> <p>(a) Representation of rock outcrops, bedding planes, dips and strikes, unconformity and faults.</p> <p>(b) Drawing of cross sections and determination of dip angles and bed thickness.</p>
Section B 30 Marks	<p>Analysis of Settlement- mean centre, standard distance, quadrat count method and nearest neighbour method.</p> <p>Analysis of Transport and Drainage network- measurement of length, Transport network-Connectivity matrix, Drainage network ordering, Bifurcation ration and length ratio and drainage density.</p> <p>Analysis relief, profiles, areas height diagram, relative relief, slope analysis, altimetric and hypsometric analysis.</p> <p>Chi-square test, Student's T test, Variance test.</p>
Record File 15 Marks	Lab Work Based
Viva-Voce 10 Marks	Lab Work Based