

Department of Geography, University of Allahabad

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

- Unit-I** Meaning, Scope and Development of Physical Geography; Origin of the Earth-Theories of Kant and James Jeans; Geological History of Earth; Interior of the Earth; Earth's Movements-Endogenetic and Exogenetic, Volcanoes and Earthquakes; Rocks, Weathering; Landforms formed by Running Water, Wind and Glacier.
- Unit-II** Structure and Composition of the Atmosphere; Insolation; Temperature; Pressure Belts and Winds; Humidity and Rainfall; Koeppen Classification of World Climates, Major Climatic types: Equatorial, Monsoon and Mediterranean types.
- Unit-III** Depth zones of the oceans: Bottom relief of Atlantic and Indian Oceans; Salinity; Tides; Ocean Currents; Coral Reefs.
- Unit-IV** Abiotic and Biotic Components of the Biosphere; Characteristics and types of Ecosystem; Biosphere as an Ecosystem; Biotic Succession; Biome Types: Equatorial Rainforest, Savanna and Temperate Grassland Biomes.

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

- Unit-I** Nature, scope and development of Human geography; Branches of human geography; Man and Environment relationship - Determinism, Possibilism, Neo-determinism Approaches - ecological, spatial, behavioural and welfare.
- Unit-II** Population growth, Distribution, Migration problems, Races and Tribes; Rural and Urban settlements - Functional types, Patterns and Morphology.
- Unit-III** Types of farming; Agricultural regions of the world; Distribution and production of Iron ore, Coal, Petroleum and hydroelectricity; Location and development of Iron and Steel, Cotton Textile and Fishing; Major Oceanic and Rail routes.
- Unit-IV** Cultural and Social processes - Social Interactions, Social groups, Major Cultural Realms.

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Revised Syllabus for BA / B.Sc. I for Session 2020-21 Paper III: Practical

- Section A** Concept of measurement scales -- Nominal, Ordinal,
15 Marks Interval and Ratio; Map scales - Representative Fraction
Statistical methods:
(i) Frequency Distribution - Class Intervals, Frequency,
Frequency Density, Cumulative and Relative frequency;
(ii) Measure of Central Tendencies; Mean, Weighted
mean, Median, Mode.
(iii) Measure of Dispersion-Range, Quartile, Standard
Deviation, Variance and Coefficient of Variation.
(iv) Transformation and combination of data; Linear
scale, Standard score, Z Score
- Section B** Line Graphs, Circular graph, Compound Bar Graphs,
15 Marks Triangular Graphs. Histograms, Pyramids, Hythergraph
and Climograph.
- Surveying** Preparation of map by Radial and Intersection methods
10 Marks
- Viva-Voce** Based on Field Work
05 Marks
- Record File** Lab Work Based
05 Marks