

SYLLABUS for GEOGRAPHY (HONOURS & SUBSIDIARY)

B.A. Part- I (Geography Honours)

Paper – I

Physical Geography

Full marks: - 75

Duration: - 3 hours

INSTRUCTIONS: Ten questions shall be asked. Each question will carry equal marks. First question is compulsory and shall consist of Ten Multiple Choice Questions. The rest questions will be of subjective type which may include long questions and short notes.

UNIT – 1: -

Nature and scope of Physical Geography; Interrelation of Physical Geography with other branches of Earth Sciences; Origin of the Solar system, Geological timescale; Rocks- Origin and Classification of Rocks, the Rock cycle..

UNIT – 2: -

Origin & classification of Earth movements; Landforms; Volcanoes & Earth quakes; Theory of Isostasy; Wegener's views on Continental Drift; Mountain-building Theories of Kober and Holmes; Plate Tectonics.

UNIT – 3: -

Geomorphic Processes: Agents of Denudation and Weathering; Mass wasting and Landslides; Fluvial, Wind, Glacial, and Karst topography; Normal Cycle of Erosion; Drainage system- its development, patterns and classification.

UNIT – 4: -

Composition and Structure of the Atmosphere; Global Energy Budget; Atmospheric Pressure and Circulations; Winds and its types, Hadley's tri-cellular theory, Monsoons and Jet streams, Land and sea breeze, local winds; Humidity & Precipitation, clouds; Air Masses and Fronts; Cyclones and Anticyclones; Thornthwaite's classification of climate.

UNIT – 5: -

Relevance of Oceanography; Ocean floor Configuration: Continental Shelf, Slope, and Deeps; Bottom Relief of the Indian and Atlantic Ocean; Temperature; Salinity; Waves, Tides and Ocean currents; Tsunamis; Ocean Deposits; Coral reefs; Coastal Environment, Ocean as a storehouse of future resource.

Books recommended: -

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| • P. Dayal | - Physical Geography. |
| • E. Ahmed | - Physical Geography. |
| • Savindra Singh | - Physical Geography. |
| • C. B. Marmoria | - Physical Geography. |
| • D. S. Lal | - Climatology. |
| • D. S. Lal | - Oceanography. |
| • Sharma and Vatal | - Oceanography for Geographers |
| • Critchfield | - General Climatology. |
| • Khullar | - Physical Geography |

B.A. Part – I (Geography Honours)
Paper – II (B)
Asia: Regional Study

Full marks: - 75

Duration: - 3 hours

INSTRUCTIONS: Ten questions shall be asked. Each question will carry equal marks. First question is compulsory and shall consist of Ten Multiple Choice Questions. The rest questions will be of subjective type which may include long questions and short notes.

SECTION A

UNIT-1: -

Asia- Physiography; Structure; Climate; and Natural Vegetation; Soil; Geographical importance of Asia

UNIT-2: -

Asia - Agro-climatic regions; Mineral and power resources; Population and its problems.

SECTION B

UNIT – 3: -

China - Physical regions; Agriculture; Mineral resources; Industrial development and major industries: Iron and Steel, Petrochemical and Consumer industries; Population growth and distribution; Urbanization.

UNIT – 4 :-

Japan – Physical regions; Agriculture and Fisheries; Industrial development and Industrial Regions, Population growth and distribution; Urbanization.

UNIT – 5 :-

Geographical account of Nepal, Bangladesh, Pakistan, Sri-Lanka, Bhutan, Myanmar

Books Recommended: -

- George B. Cressey – Asia: Land & it's People
- C. B. Marmora – Asia
- C. S. Ghor – An Advanced Geography of Asia
- S. D. Maurya – Asia ka Bhugol
- Ranjit Tirtha – Geography of Asia
- B. C. Jat – Asia ka Bhugol
- Dr. Prem Lal Tamta – Asia ka Pradeshik Bhugol
- Dr. Rajendra Kumar Singh - Asia ka Pradeshik Bhugol
- Devendra Prasad Singh – Asia ka Adhunik Bhugol

B.A. Part – I (Geography Honours)
Paper :- 1 (B)&2 (B)
Practical

Full marks: - 50

Duration: - 3 hours

INSTRUCTIONS: Ten questions shall be asked. Each question will carry equal marks. First question is compulsory and shall consist of Ten Multiple Choice Questions. The rest questions will be of subjective type which may include long questions and short notes.

UNIT – 1: -

Enlargement and reduction of maps; Cartograms: Simple, Multiple & Compound Bar diagrams; Pie Diagram; Line graph; Polygraph; Band Graph. **15 Marks**

UNIT – 2: -

Interpretation of Topographical maps and Weather maps. **10 Marks.**

UNIT – 3: -

Map Projections: Definition, Classification and their merits; Zenithal Equidistant and Equal Area Projections; Simple Conical Projections with one standard, and with two standard parallels. **15 Marks.**

UNIT-4: -

Record of Practical work and *Viva voce*. **10 Marks.**

Books Recommended: -

- Singh and Kanaujia – Elements of Practical Geography
- J. P. Sharma – Prayogik Bhugol
- R. L. Singh – Elements of Practical Geography
- Khullar – Practical Geography
- Md. Ishtiaque – Prayogik Bhugol

B.A. Part – I (Geography Subsidiary/ Pass)

Full marks: - 100

Duration: - 3 hours

Students who have offered Honours in any subject other than Geography, shall have to appear in two papers of 100 marks each, with examination in one paper each in the first two years of the plus three course. The distribution of marks shall be as follows:

1st Year- 75 Marks Theory, 25 Marks Practical

Paper I (A)

Full marks: - 75

Duration: - 3 hours

INSTRUCTIONS: Ten questions shall be asked. Each question will carry equal marks. First question is compulsory and shall consist of Ten Multiple Choice Questions. The rest questions will be of subjective type which may include long questions and short notes.

SECTION A

Unit-1: -

Isostasy; Continental Drift; Kober's and Holmes' theories of mountain-building, Internal structure of the Earth.

Unit-2: -

Arid Topography; Glacial topography, Volcanic topography, Coastal topography, Karst Topography, Normal Cycle of Erosion.

Unit 3: -

Salinity of Ocean Water, Ocean Deposits, Coral reef and Atolls, Koppen's Classification of climate, evidences of climate change, Classification of Air masses and Fronts.

SECTION B

Unit 4: -

Agriculture – Subsistence, Commercial Grain and Dairy Farming; Minerals – Coal, Petroleum, Iron ore-their distribution and production

Unit 5: -

Industry – Iron and Steel, Cotton Textile and Sugar Industry; Trade Routes- North Atlantic and Suez Canal

Book recommended: -

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| • Woolridge and Morgan | - Physical Basis of Geography |
| • Strahler and Strahler | - Physical Geography. |
| • D.S.Lal | - Climatology |
| • Sharma and Vatal | - Oceanography for Geographers |
| • Savindra Singh | - Bhu-Akriti Vigyan |
| • B.S.Negi | - Climatology and Oceanography (Hindi) |
| • K.N.Singh | - Arthik Bhugol |