# GEOGRAPHY

## OUTLINE OF SYLLABUS

### B.A./B.Sc. I  Pass Course

<table>
<thead>
<tr>
<th>Paper</th>
<th>Marks</th>
<th>Time</th>
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<tbody>
<tr>
<td>Paper-I Introduction to Geography and Geography of India</td>
<td>70/100</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Paper-II Practical</td>
<td>30/50</td>
<td>3 Hours</td>
</tr>
</tbody>
</table>

### B.A./B.Sc. II  Pass Course

<table>
<thead>
<tr>
<th>Paper</th>
<th>Marks</th>
<th>Time</th>
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<tbody>
<tr>
<td>Paper-I Physical Geography</td>
<td>70/100</td>
<td>3 Hours</td>
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<tr>
<td>Paper-II Practical</td>
<td>30/50</td>
<td>3 Hours</td>
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### B.A./B.Sc.-III  Pass Course

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<thead>
<tr>
<th>Paper</th>
<th>Marks</th>
<th>Time</th>
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<tbody>
<tr>
<td>Paper-I Human Geography and Resources and Environment</td>
<td>70/100</td>
<td>3 Hours</td>
</tr>
<tr>
<td>Paper-II Practical</td>
<td>30/50</td>
<td>3 Hours</td>
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</table>
NOTE: There will be nine questions in all, comprising of two questions from each section and one compulsory question covering the entire syllabus. Candidates are required to answer five questions in all, selecting one question from each section and the compulsory question. The compulsory question will be short answer type of 15 to 20 words. Each question will carry equal marks.

SECTION - I
(i) The nature of geography; objectives and relevance; place of geography in the classification of sciences; geography and other disciplines.
(ii) Geography as the study of environment; man-environment relationships; ecology and ecosystem; environmental determinism, possibilism, neo-determinism.

SECTION - II
(i) Use and relevance of map making techniques; statistical methods in geography (Mean, Median and Mode)
(ii) Field work – collection of primary data through physical and socio-economic surveys; basic methods of statistical analysis of data and preparation of maps; standard deviation and covariance.
(iii) Introduction to modern techniques; use of air photos and satellite imagery; remote sensing as a tool for data generation and mapping.

SECTION - III
(i) India in the context of Southeast and South Asia; India: a land of diversities; unity within diversities. Major relief regions and drainage systems of India.
(ii) Climatic regions of India. Soil types of India – their distribution. Minerals and power resources. Utilization and conservation of mica, iron, coal and bauxite; hydro and thermal power resources. Spatial distribution of population and density; population explosion; urbanization.

SECTION - IV
Green Revolution vis-a-vis traditional farming; production and distribution of following major crops: wheat, rice, sugarcane, cotting and tea. Industries: Cotton textile; iron and steel, sugar and automobile. Contemporary issues; regional disparity; poverty, population explosion, globalization.

SUGGESTED READINGS:
5. Govt. of India: The Gazetteer of India. Vol I & III Publication Division, New Delhi, 1965

B.A/B.Sc I

Max. Marks: 30/50
Time: 3 Hours

PAPER-II PRACTICAL

Unit-I
The nature and scope of cartography.
Scale: Comparative, diagonal and representative fraction. Statement of scale.
Classification of maps - qualitative and quantitative (theory only).

Unit-II
Types of cartographic symbols and their use: (a) point (b) line (c) area
I. Representation of population data (density, distribution, age and Sex Pyramid)
II. Representation of agricultural data (Bar diagram, Pie diagram)
III. Representation of industrial and transport data: Flow line charts, location maps
(Point method, Graduated circles, Geometrical symbol).

Unit-III
Chain and Tape Survey
Distribution of Marks: B.A/B.Sc.
Exercises 18/36 (Five exercises)
Practical Record 6/7
Viva-Voce 6/7

NOTE: The question paper shall contain five questions in all. Two questions will be from section I and II, and one question from section III. Candidates are required to attempt three questions, selecting at least one question from each section.
B.A./B.Sc. II

Max.Marks : 70
Time : 3 Hours

PAPER - I  PHYSICAL GEOGRAPHY

NOTE : - There will be nine questions in all, comprising of two questions from each section and one compulsory question covering the entire syllabus. Candidates are required to answer five questions in all, selecting one question from each-section and the compulsory question. The compulsory question will be short answer type of 15 to 20 words. Each question will carry equal marks.

SECTION - I

The nature and scope of physical geography: The place of geomorphology in physical geography; Geological Time Scale. Earth's interior: Wegner's theory of Continental Drift; Plate Tectonics; earth movements–orogenic and epeirogenic, isostasy. Earthquakes and volcanoes.

SECTION - II


SECTION - III


SECTION - IV

Surface configuration of the ocean floors, continental shelf, continental slope, abyssal plain, mid-oceanic ridges and oceanic trenches. Distribution of temperature and salinity of oceans and seas. Circulation of oceanic waters – currents of the Atlantic, Pacific and Indian Oceans. Oceans as storehouse of resources for the future.

SUGGESTED READINGS:-
PAPER - II PRACTICAL

SECTION - I (Exercises 12)

Methods of showing relief (hachures, shading contours and layer tints); representation of different landforms by contours. Drawing of profiles: cross and (superimposed, composite and projected) and long profiles and their relevance in landform mapping and analysis.

SECTION - II (Exercises 10)

Representation of temperature, pressure and rainfall data by line (examples isotherms, isobars and isohyets) and bar graphs. Drawing of climograph and hythergraph and their interpretation. Weather maps of India published by Indian Meteorological Department for July and January and there interpretation.

SECTION - III (Exercises 3)

Plane Table Survey: Radiation, intersection and traverse method.

Distribution of Marks : B.A/B.Sc.
Exercises : 18/36
Practical record : 6/7
Viva-voce : 6/7

NOTE: There will be nine questions in all, comprising of two questions from each section and one compulsory question covering the entire syllabus. Candidates are required to answer five questions in all, selecting one question from each-section and the compulsory question. The compulsory question will be short answer type of 15 to 20 words. Each question will carry equal marks.

SUGGESTED READINGS:-
PAPER - 1 HUMAN GEOGRAPHY AND RESOURCES AND ENVIRONMENT

NOTE: There will be nine questions in all, comprising of two questions from each section and one compulsory question covering the entire syllabus. Candidates are required to answer five questions in all, selecting one question from each section and the compulsory question. The compulsory question will be short answer type of 15 to 20 words. Each question will carry equal marks.

SECTION - I

Division of mankind: spatial distribution of races and tribes of India; early economic activities of mankind - food gathering, hunting, fishing and vegetation, shifting cultivation.

SECTION - II

Human adaptation to the environment (i) cold region - Eskimo, (ii) hot region-Bushman, (iii) plateau-Gonds, (iv) Mountains - Gujjars. Distribution and world pattern of population - concepts of over population, under population and optimum population. Population theories; Malthusian and Recardo.

SECTION - III

Meaning, nature and components of resources and environment.
Classification of resources - renewable and non-renewable; biotic (forests, wild-life, live-stock, fisheries, agricultural crops) and abiotic (land, water, mineral).
Distribution, utilization and conservation of biotic (flora and fauna) and abiotic (water; minerals and energy resources).

SECTION - IV

Number, density and growth of population; population pressure and environmental degradation.
Classification of environment - natural and human. Man-environment inter-relations with respect to population size. Types of economy and technology of development. Degraded and sustainable development.

SUGGESTED READINGS:
B.A./B.Sc.-III

Max.Marks: 30/30
Time: 3 Hrs.

PAPER - II CARTOGRAPHY (PRACTICAL)

SECTION - I

Use of Mean, Median and Mode, and Standard deviation in data analysis and mapping-scatter diagram- association and relationship.

SECTION - II

Map Projections: general principles, classification, Drawing graticules on the following projections by graphical and mathematical methods: (a) Cylindrical (b) Conical) (c) Zenithal (d) Conventional. At least two exercises from each.

SECTION - III

Prismatic compass survey by radiation, intersection, open traverse and close traverse methods.

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<tr>
<th>Distribution of Marks</th>
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<tr>
<td>Exercises</td>
<td>12/24</td>
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<tr>
<td>Field Work</td>
<td>6/6</td>
</tr>
<tr>
<td>Practical record</td>
<td>6/10</td>
</tr>
<tr>
<td>Viva-Voce</td>
<td>6/10</td>
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SECTION - IV

Field work and Field Report: Select any area near the institution for collecting data or agriculture, urban, industrial or transport activity. The field report will be based on primary survey through questionnaire or field investigation.

NOTE: The question paper shall contain live questions in all, comprising of two questions from section I and II each, and one question from section III. Candidates are required to attempt three questions, selecting at least one question from each section.

SUGGESTED READINGS: -