

**SYLLABUS FOR SCREENING TEST FOR THE POSTS OF
LECTURER 10+2 GEOGRAPHY**

SYLLABUS FOR SCREENING TEST OF GEOGRAPHY (10+2)

I. GEOMORPHOLOGY (10 Marks)

1. Science of Landforms
2. Empirical landform geography and genetic Geomorphology
3. Application of Remote Sensing in Geography

II. CLIMATOLOGY (10 Marks)

1. Nature and scope of climatology
2. Insolation, Heat Balance and distribution
3. Hydrological cycle – An idealized Hydrological cycle, Global distribution of Water, Global water balance
4. Temperature
5. Oceans as sources of resources for man

III. NATURAL AND HUMAN RESOURCES (10 Marks)

1. Nature, scope and significance of Economic Geography, Geography of Resources
2. Definition and concept of National Resources
3. Classification and types of Natural resources
4. World Trends and patterns of population growth
5. World distribution of population
6. Human Migrations
7. Nature and Scope of Human Geography
8. Approaches to Human Geography, Determinism, Possibilism.

IV. GEOGRAPHIC THOUGHT (10 Marks)

1. The general character of Geography in the Ancient period.
2. Contribution of Herodotus, Strabo and Ptolemy
3. Contribution of Indian scholars
4. The Arab period
5. Contributions of Varenius and Immanuel Kant
6. Contributions of Humboldt and Ritter
7. Dualism in Geography

8. Determinism and Possibilism

V. INDIA: SYSTAMETIC AND REGIONAL (10 Marks)

1. Significance and scope of Regional Geography
2. Concept of Region and Regional Planning
3. Definition, significance and scope of Regional planning
4. Types of Regions
5. Types of Planning
6. Concept of Models:
 - a. Christaller's control Place Theory
 - b. Growth pole &
 - c. Core-periphery model

VI. STATISTICAL METHODS IN GEOG.-I (10 Marks)

1. Significance of the statistical techniques in Geographic studies.
2. Data and its problems
3. Analysis of data
4. Theory of sampling
 - a. Types of sampling used in Geographical studies
 - b. Problems of application of sampling methods of Geography

VII. CARTOGRAPHIC TECHNIQUES IN GEOGRAPHY (10 Marks)

1. Representation of data with the help of following cartograms: -
 - a. Chorepleth
 - b. Proportionate circles
 - c. Proportionate divided circles
2. Drawing of following diagrams:
 - a. Spherical diagram
 - b. Pyramidal diagram
 - c. Compound pyramid
 - d. Superimposed pyramid
 - e. Flow diagram

VIII. FIELD TECHNIQUES IN GEOGRAPHY (10 Marks)

1. Significance of Field Tour
2. Methods of field study in Geography

IX. SURVEYING (10 Marks)

1. Significance of Aerial-photo and Image interpretation
2. Interpretation of Aerial photographs, with the help of Pocket-stereoscope and mirror stereoscope.
3. Development of remote sensing techniques and their application Geography.
4. Drawing of Geological maps and their interpretation.
5. Importance of GIS and RS in data collection and surveying

X. SOIL GEOGRAPHY AND ECOSYSTEMS (10 Marks)

1. Nature, scope and significance of soil geography.
2. Soil formation factors: organic, climatic, topographic and temp
3. Soil profile
4. Natural resources, resource use and ecology imbalance, the concept and nature of pollution, ecological impact of pollution.
5. Preservation and conservation of the ecosystem through resource management.

XI. CULTURAL GEOGRAPHY (10 Marks)

1. Nature, scope and significance of agricultural Geography.
2. Determinants of agricultural patterns
 - a. Physical factors
 - b. Technical factors and
 - c. Cultural factors

XII. URBAN GEOGRAPHY AND PLANNING (10 Marks)

1. Nature, scope and significance of urban Geography.
2. Different approaches to the study of urban geography, recent
3. Urban fringe: its characteristics and development.