

## **SYLLABUS IN GEOGRAPHY**

- **GEOMORPHOLOGY:**

Wegener's Continental Drift Theory, concept of Plate tectonics, Concept of Isostasy of Airy and Pratt.

- a) Mass-wasting, Weathering, Erosion
- b) Soil forming processes
- i) Running water, ii) Underground water, iii) Glacier, iv) Wind, v) Sea-wave

- **CLIMATOLOGY AND OCEANOGRAPHY:**

**A. Climatology:**

Weather and climate; elements and factors of weather and climate, their composition and structure and the atmosphere, atmospheric pressure and winds; Vertical and horizontal distribution of pressure, planetary, periodic and local winds.

**B. Oceanography:**

Surface configuration of the ocean 'floor, continental shelf, continental slope, abyssal plain, mid-oceanic ridges and oceanic trenches, Relief of Atlantic, Pacific and Indian Oceans floor, waves, tides and currents

- **PRACTICAL: -**

Latitudes and longitude:

Histogram, Frequency Polygon and Frequency Curve.

- a. (Grouped and Ungrouped) Mean, Median, Mode:
- b. Mean Deviation and Standard Deviation
- c. Correlation: Product Moment Correlation and Spearman's Rank Correlation

- **ENVIRONMENT AND ECOSYSTEM**

**Concept of Environment:**

Types of Environments — Physical and Cultural, Biotic and Abiotic

- a) Environmental hazards:

**Concept of Ecosystem**

- a) Natural Cycle
- b) Gaseous Cycle-Nitrogen Cycle, Carbon Cycle
- c) Types of wastes and pollutants.

- **ECONOMIC AND SOCIAL GEOGRAPHY:**

- a) Resources- Concepts, Types, Distribution and Global Problems.
- b) Agriculture-Types and problems of Agriculture, Von Thunen's theory of Agriculture location.
- c) Industrial Location Theory of Weber

- **CARTOGRAMS:**

Climograph, Hythergraph, Ergograph Isopleth, Choropleth

- **POLITICAL, POPULATION AND SETTLEMENT GEOGRAPHY:**

- a) Structure of Population-Age, Sex, Literacy, Occupational Structure, Rural-Urban Composition.
- b) Components of Population Change-Fertility, Mortality, Migration, Growth of population.

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