

Subject: GEOGRAPHY

SYALLABUS

1. **Geomorphology:** Fundamental concepts; Endogenetic and Exogenetic forces; Denudation and weathering; Geosynclines, continental drift and plate tectonics; Concept of geomorphic cycle; Landforms associated with fluvial, glacial, arid, coastal and karst cycles.
2. **Climatology :** Composition and structure of the atmosphere; Heat budget of the earth; Distribution of temperature; Atmospheric pressure and general circulation of winds; Monsoon and jet stream; Tropical and temperate cyclones; Classification of world climates.
3. **Oceanography:** Ocean deposits; Coral reefs; Temperature and salinity of the oceans; Density of sea water; Tides and ocean currents.
Bio-Geography: Forms and functions of ecosystem; Conservation and management of ecosystems; Problems of pollution.
4. **Geographic Thought :** General character of Geographic knowledge during the ancient and medieval period; Foundations of Modern Geography;
5. **Population Geography:** Patterns of world distribution; Growth and density of population; Patterns and processes of migration; Demographic transition.
6. **Economic Geography:** Sectors of economy: primary, secondary, tertiary and quaternary; Natural resources Renewable and non-renewable.

Measurement of agricultural productivity and efficiency; Crop combination and diversification; Von Thunen's Model.

Classification of industries: Weber's and Losch's approaches; Resource based and Foot loose industries.
7. **Political Geography:** Heartland and Rimland theories; Boundaries and frontiers; Nature of administrative areas and Geography of public policy and finance.

Cultural Geography: Culture-areas and cultural regions; Human races; Habitat; Economy and Society of tribal groups.
8. **Geography of India:** Physiographic divisions; Climate: Its regional variations; Vegetation types and vegetation regions; Major soil types; Irrigation and agriculture; Population distribution and growth ; Settlement patterns ; Mineral and power resources; major industries and industrial regions.
9. **Cartography:** Types of maps: Choropleth; Isopleth and Chorochromatic maps and pie diagrams; Mapping of location-specific data; Accessibility and flow maps.

