

**SYLLABUS****LECTURER (SCHOOL EDUCATION)****PAPER – II****GEOGRAPHY****Part - I Senior Secondary Level**

- Interior of earth, Rocks, Earthquakes and Volcanoes, Plate tectonics, Work of wind, Running water and Glaciers. Structure and Composition of Atmosphere, Insolation and Heat budget, Humidity and Precipitation. Relief features of the Oceans, Salinity, Tides and Ocean currents.
- **India**- Location, Physiographic divisions, Climate, Vegetation, Soils. Population: distribution and density and growth. Disaster Management: Flood, Draught, Landslides. Major crops, Minerals, Iron and Steel Industry, Cotton and Textile Industry. Environment Pollution, Sustainable Development.
- **Human Geography**- Definition, scope and principles. Primary, Secondary, Tertiary and Quaternary activities. Transportation communication and Trade. Distribution, density and growth of World Population. Human development concept.
- Scales, Maps and Projections, Spatial information technology, Mean, Median, Mode, Standard Deviation, Correlation, Plane table survey.

**Part - II Graduation Level**

- **Physical Geography** : Isostasy, Earth movements, Inversion of Temperature, Pressure belts and Wind circulation. Classification of climates of the world: Koppen's, Thornwait. Ocean deposits. Formation of Coral Reefs and Atolls.
- **Human Geography** : Modern school of thought in Human Geography: Possibilism, determinism, neo-determinism. Migration its causes and types. Classification and distribution of races of the world.
- **Economic Geography** : Natural resources and their distribution. Agricultural regions of the world. Industrial regions of the world.
- **Geography of Thought** : Definition, scope, nature and purpose of Geography, contribution of Greek Geographers, Roman Geographers. Works of Humboldt, Ritter, Ratzel, Hartshorne, Huntington, Blache and Carl Saur.
- **Rajasthan** : Physiography, Drainage, Climate, Vegetation, Soils, Irrigation. Major crops, chief minerals, major industries. Population distribution and density. Desertification, Agro-climate regions.

**Part - III Post Graduation Level**

- **Geography of Thought** - Behavioural geography. Recent trends in geography. Development of geography in India.
- **Geomorphology** - Fundamental concepts, slope evolution. Application of Geomorphic mapping. Environmental geomorphology.
- **Economic Geography** - Theories of Plant Location: Weber's Least Cost theory. Economic regions of India.

- **Urban Geography** - Origin and growth of Towns in Ancient, Medieval and Modern period. Umland, Principles of Town Planning.
- **Agricultural Geography** - Von Thunen's Agricultural Location theory. Green Revolution in India. Agro-forestry importance and its scope in India.
- **Population Geography** - Theories of Population: Malthusian and Optimum. The Population Policy of Government of India.
- **Political Geography** - Development of Political Geography. Concepts of Mackinder. The Unified Field theory of Political Geography by S.B. Jones. Frontiers Boundaries and Buffer zones.

#### **Part – IV (Pedagogy, Teaching Learning Material, Use of Computers and Information Technology in Teaching Learning)**

##### **I. Pedagogy and Teaching Learning Material (Instructional Strategies for Adolescent Learner)**

- Communication skills and its use.
- Teaching models- advance organizer, concept attainment, information processing, inquiry training.
- Preparation and use of teaching-learning material during teaching.
- Cooperative learning.

##### **II. Use of Computers and Information Technology in Teaching Learning**

- Concept of ICT, hardware and software.
- System approach.
- Computer assisted learning, computer aided instruction