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Geography

1. Knowledge of Subject concerned : Senior Secondary Level

- Interior of earth, rocks, earthquakes and Volcanoes, Plate techtonics, work of wind, running waters, Glaciers.
- Structure and Composition of Atmosphere, Insolation and Heat budget, major climatic regions of World.
- Relief features of the Oceans, salinity, tides, 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, Projections, Spatial information technology, mean, median, mode, standard deviation, correlation.

2. Knowledge of Subject concerned : 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. Distribution of important 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.
- **India: Physiography, climate, vegetation, soils, irrigation. Major crops, chief minerals, major Industries. Population distribution and density. Desertification, Agro-climate regions.**

3. Knowledge of Subject concerned : PG Level

- **Geography of Thought-** Dualism in geography. 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 B.S. Jones. Frontiers Boundaries and Buffer zones.

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