

**Board of Intermediate Education: A.P., Hyderabad**

**Revised Intermediate Part-III Geography syllabus (1<sup>st</sup> year)**

**PAPER-I**

**General and Fundamental of Physical Geography**

**Section – A**

**Unit – I General Geography**

Definition and scope of Geography – Branches of Geography

Geography as an integrating – Discipline with physical, biological and social sciences.

**Unit – II Solar System**

Origin and Evolution of solar system – Galaxy

Earth as a member of solar system

Rotation and Revolution of the Earth and effects of latitudes and longitudes

Standard Time and International Date line

**Unit – III The Earth**

Interior of the Earth

Wegner's theory of continental drift

Major Rock types and their characteristics

## Section – B

### **Unit – IV GEOMORPHOLOGY**

Definition and scope

Major landforms: Mountains, Plateaus and Plains

Geomorphic Process: Weathering, Mass wasting, Erosion and Deposition

Landforms Formed due to: wind, river and marine

### **Unit – V CLIMATOLOGY**

Definition and Scope: Elements of weather and climate

Atmosphere: Definition Composition and structure of atmosphere

Insolation: Definition, Factors influencing insolation, vertical and horizontal distribution of insolation.

Temperature: Definition, Factors Controlling Temperature, Vertical and horizontal distribution of temperature

Pressure: Definition, Global pressure belts, winds planetary, regional and local

Precipitation: Definition, Forms and types of precipitation world distribution.

### **Unit – VI BIO-GEOGRAPHY**

Definition and scope

Biomes of the world,

Biodiversity

Ecosystems

Ecological Balance

## **Section – C**

### **Oceanography Hydrology and Natural hazards**

#### **Unit – VII Oceanography**

Definition and Scope

The oceans and their geographical distribution

Ocean Temperatures: Vertical and horizontal distributions

Ocean Salinity: Definition, vertical and horizontal distributions waves and tides

Ocean Currents: Atlantic, Pacific and Indian Ocean Deposits and ocean resources

#### **Unit – VIII Hydrology**

Definition and Scope

Hydrological Cycle

Elements of Hydrological cycle: Precipitation, evaporative, evapo transpiration, run off, infiltration and recharge.

#### **Unit – IX Natural Hazards**

Definition and scope

Causes and distribution of floods, droughts, cyclones, Tsunamis, Tornadoes,

Volcanoes Earthquakes and landslides