

**Board of Intermediate Education: Hyderabad**  
**Intermediate Geography -I syllabus (1<sup>st</sup> year)**  
**General and Fundamentals of Physical Geography**

**Section – A**

**Unit – I General Geography**

Definition and scope of Geography – Branches of Geography.

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

**Unit – II Solar System**

Origin and Evolution of solar system.

Rotation and Revolution of the Earth and their effects.

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**

Major landforms: Mountains, Plateaus and Plains

Geomorphic Process: Weathering - Physical and Chemical Weathering.

Landforms associated with wind and river –  
Erosional and depositional.

## **Unit – V CLIMATOLOGY**

Climate:	Elements of weather and climate.
Atmosphere:	Composition and structure of atmosphere.
Insolation:	Insolation and Heat Budget of the Planet Earth.
Temperature:	Factors influencing Temperature, Vertical and horizontal distribution of temperature.
Pressure:	Global pressure belts.
Winds:	Planetary winds, Seasonal and Local winds.
Precipitation:	Forms and types of rain fall (Convictional, Orographic and Cyclonic rain fall).

## **Unit – VI BIO-GEOGRAPHY**

Biomes of the world: Equatorial, Tropical and Temperate.  
Biodiversity and Conservation.  
Concept of Ecosystem and Ecological Balance.

### **Section – C**

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

## **Unit – VII Oceanography**

Divisions of the Ocean floor: Continental shelf, Continental slope, Deep Sea plains and Ocean deeps.  
Ocean Temperatures: Vertical and horizontal distribution.  
Ocean Salinity: Definition, vertical and horizontal distribution.  
Oceanic Movements: Waves, Tides and Currents, (Currents of Atlantic, Pacific and Indian Ocean )

## **Unit – VIII Hydrology**

Elements of Hydrological cycle: Precipitation, evaporation, evapo-transpiration, run off, infiltration and recharge.  
Hydrological Cycle.

## **Unit – IX Natural Hazards**

Causes and Spatial distribution of floods, droughts, cyclones, Tsunamis, Earthquakes and landslides.

Global Warming and its consequences.

Disaster Management in India.

**Board of Intermediate Education, Hyderabad**  
**Basic Elements of Practical Geography (I and II year)**

**Unit – I Maps:** (I Year – 25 Periods)

Types of Maps, Scales of Maps, Conversion of Scales, Constructions of linear Scales, Graphic Scales and Diagonal Scales.

**Unit – II Instruments:** (I Year – 20 Periods)

Measuring distances with Opisometer/Rotameter.  
Weather instruments and their uses, (kRain gauge, wet and dry bulb thermometer, maximum and minimum thermometer, wind wane Barometer).

**Unit – III Weather Charts.** (II Year – 5 Periods)

Indian weather maps – Introduction and weather symbols.

**Unit – IV SOI Toposheets** (II Year – 10 Periods)

Survey of India Toposheets – Conventional signs and symbols in SOI Toposheets.

**Unit – V Contour land forms:** (II Year – 20 Periods)

Plateau, Conical hill, ridge, V-shaped valley, U-shaped valley, gorge, cliff, spur, escarpment, uniform slope, concave slope, convex slope, undulating slope.

**Unit – VI Simple Statistics:** (II Year – 20 Periods)

Introduction - Class interval, frequency, cumulative frequency, distribution of the data among class intervals, inclusive method, exclusive method.

Problems – Mean, Median and Mode.

**BOARD OF INTERMEDIATE EDUCATION, A.P, HYDERABAD**  
**MODEL QUESTION PAPER-GEOGRAPHY- I YEAR (W.E.F.2014-15)**

**PART - III**

**Time: 3 Hours**

**Max.marks:75**

**Section – A**

**Answer any THREE of the following questions in not exceeding 40 lines each. Each question carries 10 marks. 3 X 10 = 30 Marks**

1. Write about the Interior of the earth.
2. Write an note on Hydrological cycle.
3. Write about the main branches of Geography.
4. What is meant by Atmosphere? Write about its structure.
5. Describe the currents of Atlantic Ocean. Write about their effects.

**Section – B**

**Answer any FIVE of the following questions in not exceeding 20 lines each. Each question carries 5 Marks. 5 X 5 = 25 Marks**

6. Inversion of Temperature.
7. Salinity.
8. Volcanoes
9. Tsunami
10. Convectional Rainfall conditions in Equatorial biome.
11. Latitudes
12. Solar System
13. Standard time
14. Definition of Geography

**Section – C**

**Answer any TEN of the following questions in not exceeding 5 lines each.**

**Each question carries 2 marks.**

**10 X 2 = 20 Marks**

15. Satellite
16. Core
17. Rock Cycle
18. Physical Geography
19. Define Geography
20. Equator
21. Blue Moon
22. Atmosphere
23. Normal Lapse Rate
24. Wave
25. Greenwich Mean Time
26. Geomorphology
27. Ecosystem
28. Exfoliation
29. Stalactite
30. Ecological Balance