

**Telangana State Board of Intermediate Education, Hyderabad**

# **GEOGRAPHY**

**Intermediate 1<sup>st</sup> Year**

**Theory Syllabus - (w.e.f 2019-2020)**

**Book Title - Fundamentals Of Physical Geography**

## **Chapter-I: Introduction to Geography**

- 1.1 Geography as an integrating discipline
- 1.2 Branches of Geography : Physical Geography and Human Geography
- 1.3 Scope and Career Options

## **Chapter-II: The Earth**

- 2.1 Origin and Evolution of the earth
- 2.2 Interior of the Earth
- 2.3 Wegener's Continental drift theory & Plate tectonics
- 2.4 Rocks - Types & Their Characteristics

## **Chapter-III: Landforms**

- 3.1 Landforms and their Evolution - Mountains, Plains and Plateaus
- 3.2 Geomorphic Processes - Endogenetic - Diastrophism; Orogenic & Epeirogenic Catastrophism; Earthquakes & Volcanoes; causes, types and effects
- 3.3 Exogenetic - Weathering, Mass Wasting, Erosion & Depositional; Soil formation
- 3.4 Brief Erosional and Depositional Features
  - (a) Fluvial (b) Aeolian (c) Glacial (d) Karst

## **Chapter-IV: Climate**

- 4.1 Elements of Weather and Climate
- 4.2 Composition and structure of the Atmosphere
- 4.3 Insolation, Heating and Cooling of Atmosphere : Conduction, Convection, Terrestrial radiation and Advection
- 4.4 Heat Budget of the earth
- 4.5 Temperature - Factors controlling temperature, Horizontal and Vertical distribution, Inversion of temperature

- 4.6 Pressure - Factors controlling pressure, Pressure belts, Winds - Planetary, Seasonal and Local, Airmasses and Fronts, Tropical and Temperate cyclones
- 4.7 Precipitation - Types of Precipitation, Rainfall - Types and World distribution
- 4.8 Climate change and Global concerns

### **Chapter-V: Oceans**

- 5.1 Hydrological cycle, Submarine Relief
- 5.2 Ocean - Factors controlling Ocean, Temperature and Salinity, World distribution of Temperature and Salinity
- 5.3 Movement of Ocean water - Waves, Tides and Currents
- 5.4 Ocean Resources and their Economic significance
- 5.5 Ocean pollution - Causes and effects

### **Chapter-VI: Life on the Earth**

- 6.1 Biosphere
- 6.2 Biomes
- 6.3 Ecosystem and Ecological balance
- 6.4. Biodiversity and Conservation, Biodiversity Hotspots

### **Chapter-VII: Hazards and Disasters - Causes, Consequences & Management**

- 7.1 Cloudbursts, Floods
- 7.2 Drought - Types & Impact
- 7.3 Earthquakes and Tsunami
- 7.4 Cyclones and their Impact
- 7.5 Landslides

**Telangana State Board of Intermediate Education, Hyderabad**

## **GEOGRAPHY**

**Intermediate 1<sup>st</sup> Year - (w.e.f 2019-2020)**

### **Syllabus for Practicals**

---

---

#### **PRACTICAL WORK**

##### **Fundamentals of Maps**

**Chapter-1:** Geo spatial data, Point, line, area data

**Chapter-2:** Maps - types; Scales-types, Construction of simple linear scale

##### **Topographic and Weather Maps**

**Chapter-3:** Study of topographic maps (1:50,000 or 1 : 25,000 Survey of India Maps); Contour Cross Section and identification of Landforms - Slopes, Hills, Valleys, Waterfalls, cliffs; Distribution of settlements

**Chapter-4:** Use of weather instruments; Thermometer, wet and dry-bulb thermometer, barometer, wind vane, rain gauge

**Telangana State Board of Intermediate Education, Hyderabad**

**MODEL QUESTION PAPER**

(w.e.f. 2019-20)

**GEOGRAPHY - First Year**

**Time: 3 Hours**

**Max Marks: 100**

**Section A**

**Answer any Three (3) of the following questions in not exceeding 40 lines each.**

**Each question carries 10 Marks**

**3 × 10 = 30 Marks**

1. Define weathering. Discuss different types of Physical weathering.
2. Classify the mountains and explain them in detail.
3. Define climate. What are the factors affecting the climate. Discuss.
4. What is ecological balance and how it helps in maintaining of balance of nature.
5. Why are there more earthquakes in the Himalayas and in the north-eastern region of India?

**Section B**

**Answer any Eight (8) of the following questions in not exceeding 20 lines each.**

**Each question carries 5 Marks.**

**8 × 5 = 40 Marks**

6. Define Geography. Explain Why is human geography an important part of geography. Explain with suitable examples.
7. Explain in detail the depositional landforms of karsts topography?
8. What are the Factors responsible for Erosion?
9. Define geomorphic process. Explain about endogenic and exogenic forces.
10. How the mountains are formed. Discuss about Fold Mountains.
11. How the earth Quakes will occur and what are the main regions they occur?

12. Explain about land and sea breezes.
13. Write about Pacific Ocean currents.
14. Discuss about Ocean Energy Resources and their Utilization.
15. "Tropical rainforest is highly diverse of flora 'Discuss.
16. Discuss about Land Slide Vulnerability zones.

### **Section C**

**Answer any Fifteen (15) of the following questions in not exceeding 5 lines each.**

**Each question carries 2 Marks.**

**15 × 2 = 30 Marks**

17. What are the two basic approaches in Geography?
18. Define the terms physical and Regional geography.
19. What is the importance of Oxidation?
20. Give any two depositional features of fluvial topography.
21. Write any two Erosional landforms of Aeolian topography.
22. Discuss about Volcanic features formed in the crust.
23. Write about exfoliation.
24. What do you mean by Mass wasting.
25. Process of Soil Formation.
26. What are the main elements of weather?
27. Write about Atmospheric Pressure.
28. What is green house effect?
29. Discuss about impacts of marine pollution.
30. Write about Terrigenous Deposits.
31. Write a short note on depletion of ground water.
32. Consequences of Tropical Cyclones.
33. Explain about consequences of Drought.