

**TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION
HYDERABAD**

GEOGRAPHY-I
Syllabus (w.e.f. 2014-15)

Chapter 1: Introduction to Physical Geography

- a) Introduction to Geography
- b) History of Geography
- c) Geography as an Integrating Discipline
- d) Elements of Geography
- e) Scope of Physical Geography
- f) Geography as an Environmental Science
- g) Future of Physical Geography

Chapter 2: Solar System

- a) Origin and Evolution of Solar System
 - i) Solar System
- b) Rotation and Revolution of the Earth and their effects
 - i) Rotation
 - ii) Revolution
- c) Latitudes and Longitudes
 - i) Longitudes
 - ii) Latitudes
- d) Standard time and International Date line
 - i) Standard Time
 - ii) International Date Line

Chapter 3: Interior of the Earth

- a) Introduction
- b) Internal Structure
- c) Earth Quake Waves
- d) Continental Drift Theory
 - i) Evidences
 - ii) The Rejection of Continental Drift

- e) Rocks
 - i) Igneous Rocks
 - ii) Sedimentary Rocks
 - iii) Metamorphic Rocks
- f) Rock Cycle

Chapter 4: Geomorphology

- a) Introduction
- b) Major Landforms
 - i) Mountains
 - ii) Plateaus
 - iii) Plains
- c) Geomorphic Processes - Endogenetic forces
 - i) Vulcanicity
 - ii) Earthquakes
- d) Geomorphic Processes - Exogenetic Forces
 - i) Weathering
 - ii) Mass wasting and slope processes
 - iii) Erosion
- e) Fluvial Topography
- f) Aeolian Topography
- g) Marine Topography
- h) Glacial Process
- i) Underground Water and Limestone features

Chapter 5: Climatology

- a) Introduction to Atmosphere
- b) Structure of Atmosphere
- c) Composition of Atmosphere
- d) Factors Controlling Temperature
- e) Distribution of Temperature
 - i) Horizontal Distribution
 - ii) Vertical distribution
- f) Inversion of Temperature
- g) Pressure and Win
- h) Winds
 - i) Planetary winds
 - ii) Monsoons
 - iii) Land and sea Breezes

- iv) Descending winds
- v) Convection winds
- vi) Depression winds

Chapter 6: Biogeography

- a) An Ecosystem
 - i) Structure of Ecosystem
 - ii) The Biotic Component of as Ecosystem
 - iii) Ecological Balance
- b) Biomes
 - i) Tropical Rainforest
 - ii) Tropical monsoon
 - iii) Tropical Savannas
 - iv) Desert scrub
 - v) Temperate Grasslands
 - vi) Mediterranean Scrub
 - vii) Temperate Broadleaf Deciduous Forest
 - viii) Boreal Forest (Taiga)
 - ix) Tundra

Chapter 7: Hydrology

- a) Introduction
- b) Elements of the Hydrological Cycle
- c) Hydrological Cycle

Chapter 8: Oceanography

- a) Introduction
- b) Salinity of Ocean Waters
- c) Ocean currents and Winds
- d) The nature of tides
- e) Natural Hazards of Oceans
- f) Beneficial influences of the Oceans
- g) Human impact on the Oceans
- h) Ocean Resources
- i) Ocean Deposits

Chapter 9: Natural Hazards

- a) Introduction
- b) Earthquakes

- c) Volcanoes
- d) Landslides
- e) Hooding
- f) Coastal flooding
- g) River flooding
- h) Tsunamis
- i) Hurricanes
- j) Tropical Cyclones
- k) Drought
