

TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION, HYDERABAD

ACADEMIC YEAR 2020-2021

70% CONTENT IN VIEW OF COVID-19 PANDEMIC

INTERMEDIATE 1st YEAR GEOGRAPHY SYLLABUS

PartA:	Fundamentals of Physical Geography
Unit1:	Geography as a Discipline Geography as an integrating discipline, Branches of Geography: Physical Geography and Human Geography
Unit2:	The Earth- : Interior of the earth; Wegener's continental drift theory and plate tectonics Earthquakes and volcanoes: causes, types and effects
Unit3:	Landforms Rocks: major types of rocks and their characteristics Geomorphic processes: weathering; mass wasting; erosion and deposition;
Unit4:	Climate: Elements of weather and climate; Atmosphere - composition and structure; Insolation: heating and cooling of atmosphere (conduction, convection, terrestrial radiation and advection); temperature- factors controlling temperature; distribution of temperature- horizontal and vertical; inversion of temperature. Pressure-factors & distribution; pressure belts; winds-planetary, seasonal and local; Rainfall-types and world distribution
Unit5:	Oceans: Basics of Oceanography <ul style="list-style-type: none">□ Oceans-distribution of temperature and salinity□ Movements of ocean water-waves, tides and currents; submarine reliefs□ Ocean pollution
Unit 6:	Life on the Earth <ul style="list-style-type: none">□ Biosphere-importance of plants and other organisms;□ Ecosystem and ecological balance; biodiversity and conservation;
Unit 7	Hazards and Disasters: Causes, Consequences and Management Floods, Cloudbursts; Droughts: Tsunami Cyclones: features and impact.
Part B:	Practical Work
Unit1:	Fundamentals of Maps <ul style="list-style-type: none">□ Geospatial data, Concept of Geographical data matrix; Point, line, area data□ Maps- types; scales-types; construction of simple linear scale, measuring distance; finding direction and use of symbols
Unit2:	Topographic and Weather Maps <ul style="list-style-type: none">□ 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, waterfall, cliffs and distribution of settlements□ Use of weather instruments: thermometer, wet and dry-bulb thermometer, barometer, wind vane and rain gauge