

**TELANGANA STATE BOARD OF INTERMEDIATE EDUCATION, HYDERABAD**

**ACADEMIC YEAR 2020-2021**

**70% CONTENT IN VIEW OF COVID-19 PANDEMIC**

**INTERMEDIATE 1<sup>st</sup> YEAR GEOGRAPHY SYLLABUS**

<b>PartA:</b>	<b>Fundamentals of Physical Geography</b>
Unit1:	<b>Geography as a Discipline</b> Geography as an integrating discipline, Branches of Geography: Physical Geography and Human Geography
Unit2:	<b>The Earth- :</b> Interior of the earth; Wegener's continental drift theory and plate tectonics Earthquakes and volcanoes: causes, types and effects
Unit3:	<b>Landforms</b> Rocks: major types of rocks and their characteristics Geomorphic processes: weathering; mass wasting; erosion and deposition;
Unit4:	<b>Climate:</b> 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:	<b>Oceans: Basics of Oceanography</b> <ul style="list-style-type: none"><li>□ Oceans-distribution of temperature and salinity</li><li>□ Movements of ocean water-waves, tides and currents; submarine reliefs</li><li>□ Ocean pollution</li></ul>
Unit 6:	<b>Life on the Earth</b> <ul style="list-style-type: none"><li>□ Biosphere-importance of plants and other organisms;</li><li>□ Ecosystem and ecological balance; biodiversity and conservation;</li></ul>
Unit 7	<b>Hazards and Disasters:</b> Causes, Consequences and Management Floods, Cloudbursts; Droughts: Tsunami Cyclones: features and impact.
<b>Part B:</b>	<b>Practical Work</b>
Unit1:	<b>Fundamentals of Maps</b> <ul style="list-style-type: none"><li>□ Geospatial data, Concept of Geographical data matrix; Point, line, area data</li><li>□ Maps- types; scales-types; construction of simple linear scale, measuring distance; finding direction and use of symbols</li></ul>
Unit2:	<b>Topographic and Weather Maps</b> <ul style="list-style-type: none"><li>□ 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</li><li>□ Use of weather instruments: thermometer, wet and dry-bulb thermometer, barometer, wind vane and rain gauge</li></ul>