

CLASS-XI
Geography

SYLLABUS

(Theory)

UNIT-I

- Solar System: Earth:- Position of Earth in Solar System, Size and Shape, Movements of Earth and Effects, Longitudes and Latitudes.
Time; Local, Standard and International Date Line.
- Rocks: Origin, Classification and Characteristics
Factors of change; Weathering and Denudation by river, glacier, wind, oceans and underground water.

UNIT-II

Lithosphere

- Landforms: Mountains, Plateaus and Plains; Origin, Classification and their significance to mankind.
- Earthquakes: Causes, Effects, Types and Distribution.
Volcanoes: Causes and effects of Volcanic activities.

UNIT-III

Atmosphere

- Extents, Layers and composition.
- Temperature; Factors controlling temperature, distribution and range of temperature.
- Pressures; Factors controlling pressures, horizontal and vertical distribution.
- Winds: Planetary, seasonal and local; Shifting of wind belts and their impact.
Cyclones and Anti-cyclones.
- Humidity and Precipitation; Relative humidity and Specific humidity
Precipitation types, rainfall types and distribution.

UNIT-IV

Hydrosphere

- Oceans: Ocean basins and submarine relief, Ocean waters and their circulation, temperature, salinity, waves, currents and tides.
- Special reference: Geopolitical importance of Indian Ocean

Note:-

- A. Examples as far as possible be given from India.**
- B. Answers be illustrated with maps and diagrams**

Map Work: 25 Marks

Maps: Necessity of maps, classification, scale of maps; R.F., Linear scale, its use in maps.
Reduction and enlargement through square method.

Direction: Finding direction in the field and on the map, Orientation of Local map in the field, methods of showing direction on the map.

Atlas map symbols: Identifications and Recognition of Symbols of conventional signs used in atlas, Topographic sheet and weather maps.

Methods of showing relief on maps: Contours, Interpolation of Contours identification of simple relief features from contours on a map.

Drawing of cross-section, observation and recording of various weather elements with the help of following instruments:

- a) Six's minimum and maximum thermometer.
- b) Aneroid Barometer
- c) Wind Vane
- d) Wet and Dry bulb thermometer
- e) Rain gauge
- f) Drawing of isotherms, isobars and isohyets.

INA/Project report/BB: 05 marks.