GEOGRAPHY
(Code No. 029)
COURSE STRUCTURECLASS XI (2022-23)

One Theory Paper **70 Marks**
3 Hours

Part	Units	No. of Periods	Marks
A	**Fundamentals of Physical Geography**	**89**	**35 Marks**
	Unit-1: Geography as a discipline	06	**30**
	Unit-2: The Earth	11	
	Unit-3: Landforms	20	
	Unit-4: Climate	30	
	Unit-5: Water (Oceans)	10	
	Unit-6: Life on the Earth	07	
	Map and diagram	05	**5**
B	**India-Physical Environment**	**78**	**35 Marks**
	Unit-7: Introduction	04	**30**
	Unit-8: Physiography	28	
	Unit-9: Climate and Natural Vegetation	28	
	Unit-10: Natural hazards and disasters	14	
	Map and Diagram	04	**5**
	Total	**167**	**70 Marks**
C	**Practical Work in Geography Part I**	**50**	**30 Marks**
	Unit-1: Fundamentals of Maps	25	**15 Marks**
	Unit-2: Topographic Maps	25	**10 Marks**
	Practical Record Book and Viva		**5 Marks**

COURSE CONTENT

Part A:	Fundamentals of Physical Geography	89 Periods
Unit 1:	**Geography as a Discipline** ▪ Geography as an integrating discipline, as a science of spatial attributes ▪ Branches of Geography: Physical Geography and Human Geography	**06 Periods**
Unit 2:	**The Earth** ▪ Origin and evolution of the earth ▪ Interior of the earth Earthquakes and volcanoes: causes, types and effects ▪ Distribution of oceans and continents : Wegener's continental drift theory and plate tectonics	**11 Periods**
Unit 3:	**Landforms** ▪ Geomorphic processes: weathering; mass wasting; erosion and deposition; soil-formation ▪ Landforms and their evolution- Brief erosional and depositional features	**20 Periods**
Unit 4:	**Climate** ▪ Atmosphere- composition and structure; elements of weather and climate ▪ Solar Radiation-Insolation-angle of incidence and distribution; heat budget of the earth-heating and cooling of atmosphere (conduction, convection, terrestrial radiation and advection); temperature- factors controlling temperature; distribution of temperature-horizontal and vertical; inversion of temperature ▪ Atmospheric circulation and weather systems - Pressure-pressure belts; winds-planetary, seasonal and local; air masses and fronts; tropical and extra tropical cyclones ▪ Water in the atmosphere-Precipitation-evaporation; condensation-dew, frost, fog, mist and cloud; rainfall-types and world distribution ▪ World Climate and Global Concerns	**30 Periods**

Unit 5:	**Water (Oceans)** ▪ Basics of Oceanography ▪ Oceans - distribution of temperature and salinity ▪ Movements of ocean water-waves, tides and currents; submarine reliefs	**10 Periods**
Unit 6:	**Life on the Earth** ▪ Biosphere - importance of plants and other organisms; biodiversity and conservation	**07 Periods**
Map work on identification of features based on 1 to 6 units on the outline Physical/Political map of the world.		**05 Periods**
Part B:	**India-Physical Environment**	**78 Periods**
Unit 7:	**Introduction** ▪ India : Location, space relations, India's place in the world	**04 Periods**
Unit 8:	**Physiography** ▪ Structure and Relief; Physiographic Divisions ▪ Drainage systems: Concept of river basins, watershed; the Himalayan and the Peninsular rivers	**28 Periods**
Unit 9:	**Climate, Vegetation and Soil** ▪ Weather and climate - spatial and temporal distribution of temperature, Indian monsoon: mechanism, onset and withdrawal ▪ Natural vegetation-forest types and distribution; wildlife; conservation; biosphere reserves	**28 Periods**
Unit 10:	**Hazards and Disasters: Causes, Consequences and Management** ▪ Floods, Cloudbursts ▪ Droughts: types and impact ▪ Earthquakes and Tsunami Cyclones: features and impact ▪ Landslides	**14 Periods**
Map Work of features based on above units for locating and labeling on the outline Political/Physical map of India		**04 Periods**

Part C:	**Practical Work in Geography Part I**	**50 Periods**
Unit 1:	**Fundamentals of Maps** ▪ Geo spatial 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 ▪ Map projection- Latitude, longitude and time, typology, construction and properties of projection: Conical with one standard parallel and Mercator's projection. (only two projections)	**25 Periods**
Unit 2:	**Topographic and Weather Maps** ▪ 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; distribution of settlements ▪ Satellite imageries, stages in remote sensing data- acquisition, platform and sensors and data products, (photographic and digital)	**25 Periods**
	Practical Record Book and Viva Voce **Viva to be based on Practical Unit I and II only.**	

Prescribed Books:

1. Fundamentals of Physical Geography, Class XI, Published by NCERT
2. India, Physical Environment, Class XI, Published by NCERT
3. Practical Work in Geography Part I, Class XI, Published by NCERT
4. Fundamentals of Human Geography, Class XII, Published by NCERT
5. India - People and Economy, Class XII, Published by NCERT
6. Practical Work in Geography Part II, Class XII, Published by NCERT

Note:

1. The above textbooks are also available in Hindi medium.
2. Kindly refer to the latest editions of all NCERT Textbooks.

QUESTION PAPER DESIGN GEOGRAPHY THEORY CLASS XI & XII

COMPETENCIES	Total Marks and %70 Marks
DEMONSTRATE	29 marks- 41%
APPLICATION	26 marks - 37%
FORMULATE	15 marks – 22%
TOTAL	70 marks – 100%