

<u>SYLLABUS</u>	SESSION	CLASS	SUBJECT	PRESCRIBED BOOKS BY NCERT	COMPILED BY
<u>BREAK UP</u>	2022 - 2023	XI	GEOGRAPHY (029)	FUNDAMENTALS OF PHYSICAL GEOGRAPHY INDIA: PHYSICAL ENVIRONMENT PRACTICAL WORK IN GEOGRAPHY Part - 1	NAVEEN KUMAR

I - TERM

Month	UNIT and Name of the book	Chap No.	Name of the Chapter	Detailed Split up	No. of Pds	Total Pds. Approx.
8 August 2022	UNIT –7 India: Physical Environment	1	India – Location	<ul style="list-style-type: none"> • Introduction: -Size • Location –Space Relations and India’s Place in The World. India And her Neighbors 	1 2 2	5
	UNIT – 8 India: Physical Environment	2	Structure and Physiography	<ul style="list-style-type: none"> • Geological History and Structure and Relief, The Peninsular Block • The Himalayas and other Peninsular Mountains • Indo- Ganga- Brahmaputra Plain. The Indian Desert, The Islands 	2 2 2	6
	UNIT – 1 Fundamentals Of Physical Geography	1	Geography As a Discipline	<ul style="list-style-type: none"> • Geography as a discipline, Introduction • Geography as an integrating discipline • Geography as a science of spatial attributes • Branches of geography, importance of physical geography. 	1 2 2 3	8
31 August 2022	UNIT –2 Fundamentals Of Physical Geography	2	The Origin and Evolution of The Earth	<ul style="list-style-type: none"> • Early Theories, Modern Theories the Star Formation of Planets &Solar System • Evolution Of the Earth, Evolution of Atmosphere and Hydrosphere • Geological Time Scale Origin of Life 	1 1 2	5
1 Sept 8 Sept 2022	UNIT –2 Fundamentals of Physical Geography	3	Interior of the Earth	<ul style="list-style-type: none"> • Earthquakes, Volcanoes • Volcanic Land form , Structure of the Earth 	2 3	5
I - WRITTEN TEST - I TERM						
SEPTEMBER, 2022 – Syllabus – All above Chapters						
21 Sep 2022	UNIT –2 Fundamentals of Physical Geography	4	Distribution of Oceans And Continents	<ul style="list-style-type: none"> • Wegener’s Continental Drift Theory Plate Tectonics • Post-Drift Studies, Ocean Floor Configuration • Distribution of Earthquakes and Volcanoes, • Rates of Plate Movement 	1 1 2 2	6
30 Sep 2022	UNIT –3 Fundamentals Of Physical Geography	6	Geomorphic Processes	<ul style="list-style-type: none"> • Introduction of Geomorphic Processes • Exogenic Processes and Endogenic Processes Weathering its types • Biological activity and Significance of Weathering • Mass movement – slow and rapid, Soil formation and soil forming factors 	2 3 3 2	10
1 Oct 2022	UNIT – 3 Fundamentals Of Physical Geography	7	Land forms and their Evolution	<ul style="list-style-type: none"> • Erosional And Depositional Landforms: • Introduction, Running Water, Groundwater, • Glaciers, Waves and Currents, Winds 	1 1 5	7
	UNIT –4 Fundamentals of Physical Geography	8	Composition and structure of Atmosphere	<ul style="list-style-type: none"> • Composition Of the Atmosphere, • Structure Of the Atmosphere, • Elements Of Weather and Climate 	1 1 1	3

31 Oct 2022	UNIT –4 Fundamentals Of Physical Geography	9	Solar radiation, Heat Balance and temperature	<ul style="list-style-type: none"> Solar Radiation, Variability of Insolation Heating And Cooling of Atmosphere, Heat Budget of The Planet Earth, Factors Controlling Temperature Distribution, 	1 2 2	5
	UNIT – 8 India: Physical Environment	3	Drainage System	<ul style="list-style-type: none"> Drainage Systems of India, The Himalayan Drainage, The Indus System, The Ganga System, The Brahmaputra System, The Peninsular Drainage System, River Regimes, Extent Of Usability of River Water 	1 1 1 1 1	5
	UNIT –4 Fundamentals Of Physical Geography	10	Atmospheric Circulation and Weather System	<ul style="list-style-type: none"> Atmospheric Pressure, Horizontal Distribution of Pressure, Vertical Variation of Pressure, World Distribution of Sea Level Pressure, Forces Affecting the Velocity Direction of Wind, Air Masses 	1 2 3	6
	UNIT –4 Fundamentals Of Physical Geography	11	Water in Atmosphere	<ul style="list-style-type: none"> Evaporation And Condensation, Clouds Precipitation, Types Of Rainfall, World Distribution of Rainfall 	2 2	4
	UNIT – 4 Fundamentals Of Physical Geography	12	World Climate and Climate Change	<ul style="list-style-type: none"> Koepfen’s Scheme of Classification Of Climate Climate Change History And Causes, Global Warming, International Efforts 	2 1 2	5
1 Dec 2022	UNIT –9 India: Physical Environment	4	Climate	<ul style="list-style-type: none"> Unity And Diversity in The Monsoon Climate Factors Determining the Climate of India Mechanism Of Weather in The Winter Season and Mechanism of Weather in The Summer Season The Nature of Indian Monsoon, Rain-Bearing Systems and Rainfall Distribution, The Rhythm of Seasons, Climatic Regions of India 	1 1 2 2 2	8

REVISION OF ALL ABOVE DIFFICULT CHAPTERS / TOPICS, MAP REVISION AND PROBLEM-SOLVING SESSION

**ALL ABOVE CHAPTERS ALONG WITH MAP WORK WILL BE EVALUATED IN HALF YEARLY EXAMINATION
(HALF YEARLY EXAMINATION : DECEMBER 11, 2022 ONWARDS)**

1- Jan 2022	UNIT – 5 Fundamentals Of Physical Geography	13	Water (Oceans)	<ul style="list-style-type: none"> Hydrological Cycle, Relief Of the Ocean Floor, Temperature Of Ocean Waters, Salinity of Ocean Waters 	1 2 2	5
	UNIT – 5 Fundamentals Of Physical Geography	14	Movements of Ocean Waters	<ul style="list-style-type: none"> Waves, Characteristics of Waves, Tides, Importance of Tides Ocean Currents, Types of Ocean Currents, Effects Of Ocean Currents, 	1 2 2	5
	UNIT –9 India: Physical Environment	5	Natural Vegetation	<ul style="list-style-type: none"> Types Of Forests, Forest Cover in India forest Conservation Wild life wildlife Conservation in India , Biosphere Reserves 	2 2	5
	UNIT – Fundamentals Of Physical Geography	15	Life on Earth	<ul style="list-style-type: none"> Ecology, Types of Ecosystems, Structure And Functions of Ecosystems, Types Of Biomes, Biogeochemical Cycles, The Carbon Cycle the Nitrogen Cycle, Ecological Balance 	1 2 2	5

31 Jan 2022	UNIT –6 Fundamentals Of Physical Geography	16	Biodiversity and Conservation	<ul style="list-style-type: none"> • Genetic Diversity, Importance of Biodiversity, • Ecological Role Of Biodiversity, economic Role Of Biodiversity • loss of biodiversity conservation of biodiversity 	2 2 2	6
1 Feb 2022	UNIT – 10 India: Physical Environment	7	Natural Hazards and Disasters	<ul style="list-style-type: none"> • Classification Of Natural Disasters, Natural Disasters and Hazards In India • Causes And effects Of Droughts, earthquakes, • Tsunami, Tropical Cyclone, Floods, Droughts, Landslides, • Disaster Management 	1 1 2 3	7
REMAINING / DIFFICULT TOPICS / CHAPTERS, MAP REVISION AND PROBLEM-SOLVING SESSION AND PRACTICAL PRACTICE						
ANNUAL EXAMINATION			FEBRUARY 2023 Onwards			
ALL ABOVE CHAPTERS ALONG WITH MAP WORK WILL BE EVALUATED IN ANNUAL EXAMINATION						

Practical Work in Geography – Part - 1 (2022 – 23)

Class – XI Geography

TERM / UNIT	CHAPTER	Detailed Split up	Total Req. Periods (Approx)	Marks
I – TERM Fundamentals of Maps	1. Introduction to Maps	Geo spatial data, Concept of Geographical data matrix; Point, line, area data, Maps –Types of maps, measuring distance; finding direction and use of symbols.	20	10
	2. Map Scale	Scales, Methods of scale, Types of scales; Construction of simple linear scales		
	3. Map Projections	Map projection- typology, construction and properties of projection: Conical with one standard parallel and Mercator's projection		
II – TERM Topographic and Weather Maps	4. Topographical 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.	30	15
	5. Introduction to Remote Sensing	Satellite imageries, stages in remote sensing data-acquisition, platform and sensors and data products, (photographic and digital). Identification of physical and cultural features from aerial photographs and satellite imageries.		
	6. Weather Instruments, Maps and Charts	Use of weather instruments: thermometer, wet and dry-bulb thermometer, barometer, wind vane, rain gauge. Use of weather charts: describing pressure, wind and rainfall distribution.		
	Practical Record Book and Viva Voce	Viva to be based on Practical Unit I and II only.		5

