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# GEOGRAPHY HYBRID FOUNDATION



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CLASS SYNCED STUDY MATERIAL

**UPDATION & REVISION** 

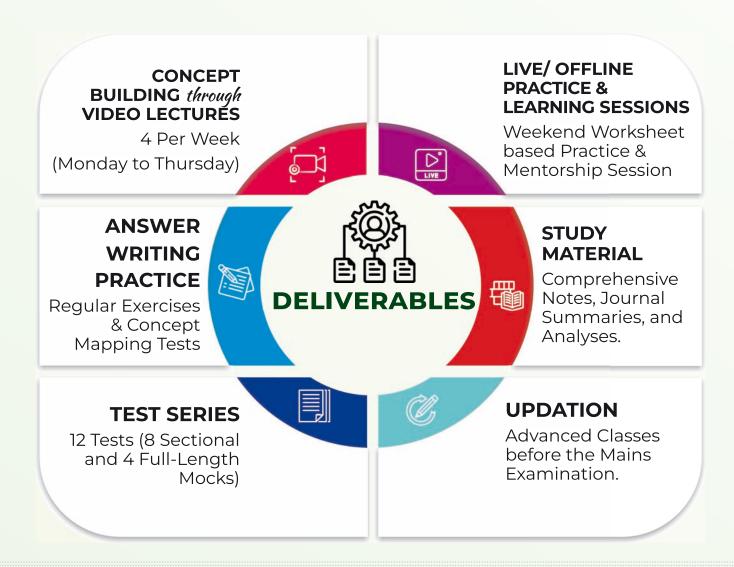
Mentor: KRISHNA GUPTA





## COURSE DETAILS

Enhance your UPSC preparation with the **Geography Optional Hybrid Programme**, tailored for aspirants choosing Geography Optional as their optional subject. This programme offers the flexibility of video lectures on weekdays, coupled with live/offline practice and learning sessions on weekends. Ideal for college students and working professionals, it provides a balanced approach, combining the convenience of online learning with the benefits of interactive sessions, ensuring a comprehensive and effective preparation strategy for optimal success.











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# SESSION PLAN

WEEK	TOPICS		
WEEKS 1 TO 8: PHYSICAL GEOGRAPHY (PAPER I)			
week <b>01</b>	<ul> <li>Climatology Part 1</li> <li>Atmospheric Composition &amp; Evolution; Structure of Atmosphere</li> <li>Temperature and Pressure Belts; Factors Affecting Winds</li> <li>Heat Budget of the Earth; Atmospheric Circulation</li> <li>Atmospheric Stability, Instability, and Inversion of Temperature</li> </ul>		
week 02	<ul> <li>Climatology Part 2</li> <li>Planetary and Local Winds; Monsoons and Jet Streams</li> <li>Air Masses and Fronts; Cyclones (Temperate and Tropical)</li> <li>Types and Distribution of Precipitation</li> <li>Weather, Climate, and Climatic Classifications</li> <li>Applied Climatology</li> </ul>		
week 03	<ul> <li>Oceanography</li> <li>Ocean Floor Mapping; Bottom Topography of Oceans</li> <li>Temperature and Salinity of Oceans;</li> <li>Heat and Salt Budgets</li> <li>Ocean Currents, Waves, and Tides</li> <li>Marine Resources; Coral Reefs; Sea Level Changes</li> <li>Law of the Sea</li> </ul>		

#### GSSCORE

### GEOGRAPHY HYBRID 5

WEEK	TOPICS
week 04	<ul> <li>Geomorphology Part 1</li> <li>Factors Controlling Landform Development; Geomorphological Theories</li> <li>Earth's Movements (Endogenetic &amp; Exogenetic Forces); Denudation Processes</li> <li>Earth's Crust Evolution; Geosynclines &amp; Continental Drift</li> <li>Plate Tectonics; Isostasy and Mountain Building</li> </ul>
week 05	<ul> <li>Geomorphology Part 2</li> <li>Volcanicity; Earthquakes &amp; Tsunamis</li> <li>Geomorphic Cycles and Landscape Development (Davis, Penck)</li> <li>Channel Morphology; Erosion Surfaces and Slope Development</li> <li>Denudation Chronology;</li> <li>Applied Geomorphology</li> </ul>
week 06	<ul> <li>Biogeography Part 1</li> <li>Soil Formation; Soil Profile and Erosion</li> <li>Classification and Distribution of Soils; Soil Degradation and Conservation</li> <li>Biomes: Types and Distribution of Plants &amp; Animals</li> <li>Factors Influencing World Distribution of Plants and Animals</li> </ul>
week 07	<ul> <li>Biogeography &amp; Environmental Geography</li> <li>Biogeography Part 2         <ul> <li>Extinction, Speciation, and Biological Dispersal</li> <li>Biogeographic Regions of the World</li> <li>Problems of Deforestation and Conservation; Social Forestry</li> <li>Wildlife, Major Gene Pool Centres</li> </ul> </li> <li>Environmental Geography Part 1         <ul> <li>Principles of Ecology and Environmental Studies</li> <li>Human Ecological Adaptations</li> </ul> </li> </ul>

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#### **GS**SCORE

WEEK	TOPICS	
week 08	<ul> <li>Environmental Geography Part 2</li> <li>Influence of Humans on Ecology;</li> <li>Global and Regional Environmental Changes and Imbalances</li> <li>Ecosystem their management and conservation</li> <li>Biodiversity and sustainable development</li> <li>Environmental policy, education and legislation</li> <li>Environmental Degradation, Management, and Conservation</li> </ul>	
WEEKS 9 TO 14: HUMAN GEOGRAPHY (PAPER I)		
WEEK 09	<ul> <li>Perspectives in Human Geography</li> <li>Classical Geography: Greek, Roman, and Arab Contributions</li> <li>Dualism and Dichotomies in Geography (General vs Regional) (Possibilism and Determinism)</li> <li>Systems Analysis</li> <li>Quantitative Revolution &amp; Spatial Analysis</li> <li>Radical Geography; Welfare Geography and Pragmatism</li> <li>Environmentalism, Neo Determinism</li> </ul>	
week 10	<ul> <li>Models &amp; Theories in Human Geography</li> <li>Malthusian, Marxian, and Demographic Transition Models</li> <li>Central Place Theory (Christaller, Losch)</li> <li>Von Thunen's Agricultural Location Model;</li> <li>Weber's Industrial Location Model</li> <li>Rostow's Stages of Growth;</li> <li>Heartland and Rimland Theories</li> </ul>	
week 11	<ul> <li>Population Geography</li> <li>Population Distribution &amp; Growth; Theories of Population Growth (Malthus, Marx)</li> <li>Demographic Transition Model; Migration Theories (Ravenstein, Lee)</li> </ul>	

#### **GS**SCORE

#### GEOGRAPHY HYBRID 7

WEEK	TOPICS
	<ul> <li>Causes of Migration; Over, Under, and Optimum Population</li> <li>World Population Policies; Social Well-being and Quality of Life</li> </ul>
week 12	<ul> <li>Settlement Geography</li> <li>Types &amp; Patterns of Rural Settlements</li> <li>Urban Settlements: Hierarchy, Rank Size Rule, Primate Cities</li> <li>Functional Classification of Towns; Rural-Urban Fringe</li> <li>Urban Sprawl, Slums, and Problems of Urbanization</li> </ul>
week 13	<ul> <li>Economic Geography</li> <li>World Economic Development: Measures, Problems &amp; Regional Disparities</li> <li>World Resources (Energy, Minerals, Water, Marine, Forest)</li> <li>Agriculture: Inputs, Productivity, Intensity, and Crop Patterns</li> <li>Green Revolution and its Socio-Economic &amp; Ecological Implications</li> <li>Industrial Location: Factors, Types of Industries, SEZs</li> <li>World Trade Patterns; Transport and Communication Networks</li> <li>Energy Crisis and Limits to Growth</li> <li>Concept of Sustainable Development</li> </ul>
week 14	<ul> <li>Regional Geography</li> <li>Concept of region</li> <li>Growth centres and growth poles</li> <li>Regional imbalance</li> <li>Regional development strategies</li> <li>Integrated Rural Development Programme (Paper II)</li> <li>Command Area Development &amp; Water Management (Cad&amp;Wm) Programme (Paper II)</li> <li>Planning for the development of backward districts (Paper II)</li> <li>Development of islands in India (Paper II)</li> </ul>

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## GSSCORE

WEEK	TOPICS	
WEEKS 15 TO 16: INDIAN GEOGRAPHY (PAPER II)		
week 15	<ul> <li>Indian Physical Geography</li> <li>Physiographic Divisions of India; Space Relations with Neighbors</li> <li>Mechanism of Indian Monsoons and Rainfall Patterns</li> <li>Indian Drainage System; Natural Vegetation and Soils</li> <li>Climate of India; Tropical Cyclones and Western Disturbances</li> </ul>	
week 16	<ul> <li>Week 16: Indian Economic, Social and Political Geography</li> <li>Agriculture in India: Land Reforms, Green Revolution, Agro- Climatic Zones</li> <li>Industries in India: Locational Factors, Industrial Policies, SEZs</li> <li>Transport and Communication; Ports and Trade in India</li> <li>Population Distribution, Growth, Migration &amp; Related Problems in India</li> <li>Regional Planning and Development in India</li> <li>Political Aspects of India</li> <li>Contemporary Issues</li> </ul>	



