

**GEOGRAPHY (OPTIONAL)  
TEST SCHEDULE  
(MAINS ASPIRANTS 2025)**



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Test No	Date	Syllabus
<b>Test 1</b>	July 25, 2024	<p><b>Climatology:</b> Temperature and pressure belts of the world; Heat budget of the Earth; Atmospheric Circulation: Atmospheric Stability and Instability; Planetary and Local Winds; Monsoons and Jet Streams; Air masses and Frontogenesis; Temperate and Tropical cyclones; Types and Distribution of Precipitation; Weather and Climate; Koeppen, Thornthwaite, Trewartha classification of world climate; Hydrological Cycle; Global Climatic Change; Role and response of Man in climate change; Applied Climatology and Urban Climate</p> <p><b>Oceanography:</b> Bottom topography of the Atlantic, Indian and Pacific Oceans; Temperature and Salinity of the oceans; Heat and Salt budget; Ocean deposits; Waves, currents and Tides; Marine Resources; Biotic, Mineral and Energy Resources; Coral Reefs, coral bleaching; Sea Level change; Law of the Sea and Marine Pollution</p> <p><b>India Physical Setting:</b> Mechanism of Indian monsoons and rainfall patterns, Tropical cyclones and Western Disturbances; Floods and Droughts; Climatic regions.</p>
<b>Test 2</b>	August 8, 2024	<p><b>Geomorphology:</b> Factors controlling landform development; Endogenetic and Exogenetic Forces; Origin and Evolution of the Earth's crust; Fundamentals of Geomagnetism; Physical conditions of the earth's interior; Geosynclines; Continental Drift; Isostasy; Plate Tectonics; Recent views on Mountain Building; Vulcanicity; Earthquakes and Tsunamis; Concepts of Geomorphic Cycles and Landscape Development; Denudation Chronology; Channel Morphology; Erosion Surfaces; Slope Development; Applied Geomorphology; Geohydrology, Economic Geology and Environment</p> <p><b>Biogeography:</b> Genesis of soils; Classification and Distribution of soils; Soil profile; Soil Erosion, Degradation and Conservation; Factors influencing world distribution of plants and animals; Problems of Deforestation and conservation measures; Social and AgroForestry; Wild life; Major gene pool centers</p>



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		<p><b>Environmental Geography:</b> Principle of ecology; Human Ecological Adaptations; Influence of Man on Ecology and Environment; Global and Regional Ecological Changes and Imbalances; Ecosystem their management and conservation; Environmental degradation, management and conservation; Biodiversity and Sustainable development; Environmental Policy; Environmental Hazards and Remedial Measures; Environmental Education and Legislation</p> <p><b>India Physical Setting:</b> Space Relationship of India with neighboring countries; Structure and Relief; Drainage systems and Watersheds; Physiographic regions; Natural Vegetation; Soil Types and Their Distribution</p>
<b>Test 3</b>	August 22, 2024	<p><b>Economic Geography:</b> World Economic Development: Measurement and Problems; World Resources and their distribution; Energy crisis; Limits to Growth; World Agriculture; Typology of Agricultural regions; Agricultural inputs and productivity; Food and Nutrition Problems; Food Security; Famine: Causes, Effects and Remedies; World Industries; Locational Patterns and Problems; Patterns of World Trade</p> <p><b>Regional Planning:</b> Concept of Region; Types of regions and Methods of Regionalisation; Growth Centres and Growth Poles; Regional Imbalances; Regional Development Strategies; Environmental Issues in Regional Planning; Planning for Sustainable Development</p> <p><b>Models, Theories and Laws in Human Geography:</b> Theories of Perroux and Boudeville; Von Thunen's Model of Agricultural Location; Weber's model of Industrial Location; Rostow's Model of Stages of Growth, System analysis in Human Geography, Laws of International Boundaries and Frontiers Indian Geography</p> <p><b>Political Aspects:</b> Geographical Basis of Indian Federalism; State reorganization; Emergence of new states; Regional consciousness and inter state issues; International</p>



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		Boundary of India and related issues; Cross border terrorism; India's role in world affairs; Geopolitics of South Asia and Indian Ocean Realm
<b>Test 4</b>	September 5, 2024	<p><b>Perspectives in Human Geography:</b> Areal differentiation; regional synthesis; Dichotomy and Dualism; Environmentalism; Quantitative Revolution and Location Analysis; Radical, Behavioural, Human and Welfare Approaches; Languages, Regions and Secularisation; Cultural Regions of the World; Human Development Index</p> <p><b>Indian Geography:</b> <b>Resources:</b> Land, surface and groundwater, energy, minerals, biotic and marine resources; Forest and wildlife resources and their conservation; Energy Crisis</p> <p><b>Agriculture:</b> Infrastructure, Irrigation, Seeds, Fertilizers, Power; Institutional Factors: Land holdings, Land tenure and Land reforms; Cropping Pattern, Agricultural Productivity, Agricultural Intensity, Crop combination, Land capability; Agro and Social Forestry; Green Revolution and its socioeconomic and ecological implications; Significance of Dry Farming; Livestock resources and White Revolution; Aqua-culture; Sericulture, Apiculture and Poultry; Agricultural Regionalisation; Agro-climatic zones; Agro-ecological regions</p> <p><b>Industry:</b> Evolution of Industries; Location factors of Cotton, Jute, Textile, Iron and Steel, Aluminium, Fertilizer, Paper, chemical and pharmaceutical, automobile, cottage and agro-based industries; Industrial houses and complexes including public sector undertakings; Industrial regionalisation; New industrial policies; Multinationals and Liberalization; Special Economic Zones; tourism including eco-tourism</p> <p><b>Transport, Communication and Trade:</b> Road, Railway, Waterway, Airway and Pipeline Networks and their complementary roles in regional development; Growing importance of Ports on national and Foreign Trade; Trade Balance; Trade Policy; Export Processing Zones; Developments in Communication and Information Technology and their impacts on economy and society; Indian Space Program</p>



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Test 5	Sep 26, 2024	<p><b>Population and Settlement Geography:</b> Growth and Distribution of World Population; Demographic Attributes; Causes and consequences of migration; concepts of over-under and optimum population; Population theories, world population problems and policies, Social Well-being and quality of life; population as social capital; types and patterns of rural settlements; Environmental issues in rural settlements; Hierarchy of urban settlements; Urban morphology; concepts of primate city and rank-size rule; functional classification of towns; Sphere of urban influence; Rural-urban fringe; Satellite towns; Problems and Remedies of Urbanisation; Sustainable development of cities</p> <p><b>Models, Theories and Laws in Human Geography:</b> Malthusian, Marxian and Demographic Transition Models; Central Place Theory of Christaller and Losch</p> <p><b>Indian Geography:</b></p> <p><b>Cultural Setting:</b> Historical Perspective of Indian Society; Racial, linguistic and Ethnic Diversities; Religious minorities; Major Tribes, Tribal Areas and their problems; Cultural Regions; Growth, distribution and density of Population; Demographic Attributes: Sex-ratio, age structure, literacy rate, work-force, dependency ratio; longevity; migration (inter-regional, intra-regional and international) and associated problems; Population problems and policies; Health indicators</p> <p><b>Settlements:</b> Types, patterns and morphology of rural settlements; urban developments; Morphology of Indian Cities; Functional Classification of Indian Cities; Conurbations and Metropolitan regions; Urban sprawl; Slums and associated problems; Town Planning; Problems of Urbanization and Remedies</p> <p><b>Regional Development and Planning:</b> Experience of regional planning in India; Five year plans; Integrated rural development programmes; Panchayat raj and decentralized planning; command area development, watershed development; planning for backward</p>



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		<p>area, desert, drought prone, hill, tribal area development; multi-level planning; regional planning and development of island territories</p> <p><b>Contemporary Issues:</b> Ecological issues: Environmental Hazards; Landslides, Earthquake, Tsunamis, floods and droughts; epidemics; Issues relating to environmental pollution; Changes in patterns of land use; Principles of environmental impact assessment and environmental management; population explosion and food security; environmental degradation; Deforestation, desertification and soil erosion; Problems of agrarian and industrial unrest; regional disparities in economic development; concept of sustainable growth and development; environmental awareness; linkage of rivers; Globalization and Indian economy</p>
<b>Test 6</b>	10 Oct, 2024 Full Test	<b>Full Syllabus - Paper 1</b>
<b>Test 7</b>	24 Oct, 2024 Full Test	<b>Full Syllabus - Paper 2</b>
<b>Test 8</b>	7 Nov, 2024 Full Test	<b>Full Syllabus - Paper 2</b>
<b>Test 9</b>	21 Nov, 2024 Full Test	<b>Full Syllabus - Paper 2</b>