

GEOGRAPHY

OPTIONAL TEST SERIES - 2022



**SHANKAR
IAS ACADEMY**

The Best IAS Academy in India

GEOGRAPHY - OPTIONAL TEST SERIES – 2022

The test schedule is prepared in a way such that it connects Paper 1 and paper 2. Paper 1 is coded in Red colour and paper 2 is coded in blue colour.

Sl. No	DATE	TOPIC
1	22-06-22	<p>Perspectives in Human Geography: Areal differentiation; regional synthesis; Dichotomy and dualism; Environmentalism; Quantitative revolution and locational analysis; radical, behavioural, human and welfare approaches; Languages, religions and secularisation; Cultural regions of the world; Human development index Models, Theories and Laws in Human Geography: Systems analysis in Human geography</p> <p>Economic Geography: World agriculture: typology of agricultural regions; agricultural inputs and productivity; Food and nutrition problems; Food security; famine: causes, effects and remedies;</p> <p>Models, Theories and Laws in Human Geography: Von Thunen’s model of agricultural location;</p> <p>Resources: Land, surface and ground water,</p> <p>Agriculture: 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 socio- economic 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>Contemporary Issues: Changes in patterns of land use; Population explosion and food security; Problems of agrarian unrest; Linkage of rivers;</p>
2	06-07-22	<p>Economic Geography: World economic development: measurement and problems; World resources and their distribution; Energy crisis; the limits to growth; World industries: locational patterns and problems; patterns of world trade.</p>

		<p>Models, Theories and Laws in Human Geography: Weber's model of industrial location; Rostov's model of stages of growth.</p> <p>Resources: energy, minerals, biotic and marine resources; Energy crisis.</p> <p>Industry: Evolution of industries; Locational 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>Transport, Communication and Trade: 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 programme.</p> <p>Contemporary Issues: Problems of industrial unrest; Globalisation and Indian economy</p>
3	20-07-22	<p>Population and Settlement Geography: 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 urbanization; Sustainable development of cities</p> <p>Regional Planning: Concept of a 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>Models, Theories and Laws in Human Geography: Malthusian, Marxian and demographic transition models; Central Place theories of Christaller and Losch. Theories of Perroux and Boudeville;</p> <p>Cultural Setting: 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: sexratio, age structure, literacy rate, work-force,</p>

		<p>dependency ratio, longevity; migration (inter- regional, intra- regional and international) and associated problems; Population problems and policies; Health indicators.</p> <p>Settlements: 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>Regional Development and Planning: Experience of regional planning in India; Five Year Plans; Integrated rural development programmes; Panchayati Raj and decentralised planning; Command area development; Watershed management; Planning for backward area, desert, drought prone, hill, tribal area development; multi-level planning; Regional planning and development of island territories</p> <p>Contemporary Issues: Population explosion and food security; Regional disparities in economic development; Concept of sustainable growth and development;</p>
4	03-08-22	<p>Climatology: 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 fronto genesis, Temperate and tropical cyclones; Types and distribution of precipitation; Weather and Climate; Koppen's, Thornthwaite's and Trewartha's classification of world climates; Hydrological cycle, Global climatic change and role and response of man in climatic changes, Applied climatology and Urban climate.</p> <p>Oceanography: Bottom topography of the Atlantic, Indian and Pacific Oceans; Temperature and salinity of the oceans; Heat and salt budgets, Ocean deposits; Waves, currents and tides; Coral reefs, coral bleaching; sea-level changes and marine pollution, Marine resources: biotic, mineral and energy resources; law of the sea</p> <p>Biogeography: Factors influencing world distribution of plants and animals; Problems of deforestation and conservation measures; Social forestry; agroforestry; Wild life; Major gene pool centres.</p> <p>Environmental Geography: 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>Resources: biotic and marine resources; Forest and wild life resources and their conservation;</p> <p>Contemporary Issues: Ecological issues; Issues relating to environmental pollution; Principles of environmental impact assessment and environmental management; Environmental degradation; Deforestation, desertification and soil erosion; Environmental awareness;</p>
5	17-08-22	<p>Geomorphology: 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>Biogeography: Genesis of soils; Classification and distribution of soils; Soil profile; Soil erosion, Degradation and conservation;</p> <p>Models, Theories and Laws in Human Geography: Heartland and Rimland theories; Laws of international boundaries and frontiers.</p> <p>Physical Setting: Space relationship of India with neighboring countries; Structure and relief; Drainage system and watersheds; Physiographic regions; Mechanism of Indian monsoons and rainfall patterns, Tropical cyclones and western disturbances; Floods and droughts; Climatic regions; Natural vegetation; Soil types and their distributions.</p> <p>Political Aspects: Geographical basis of Indian federalism; State reorganisation; Emergence of new states; Regional consciousness and inter state issues; international boundary of India and related issues; Cross border terrorism; India's role in world affairs; Geopolitics of South Asia and Indian Ocean realm.</p> <p>Contemporary Issues: Environmental hazards: landslides, earthquakes, Tsunamis, floods and droughts, epidemics;</p>
6	31-08-22 Forenoon	Paper 1 full test
7	31-08-22 Afternoon	Paper 2 full test

8	7-9-2022 Forenoon	Paper 1 full test (Not evaluated)
9	7-9-2022 Afternoon	Paper 2 full test (Not evaluated)

COMMITMENTS AND INSTRUCTIONS

1. Orientation – a orientation will be given for both paper 1 and paper 2 on 15-06-2022 between 6.30 pm to 7.30 pm
2. Exam will be held on Wednesday (test time - 2.30 pm to 5.30 pm)
3. The test will be followed by a Video discussion (6 pm to 7 pm)
4. A model answer Key document will be provided on the same day or before the end of next day of test
5. The schedule has 9 tests. The test schedule follows 5+2+2 pattern, 5 section test, and a full test of both papers which will be evaluated. The last full test of both papers will be conducted along with all India mock test which will not be evaluated.
6. Tests will be conducted both offline and online mode.
7. The test answers have to be submitted on test schedule and maximum of 3 days after the test schedule is accepted.
8. Test paper will be evaluated, and feedback will be provided within the timeline of maximum of 10 days from the date of your submission.
9. **FEES : New Students : 9,000/-**
Old Students : 5,000/-