



Drishti IAS

DRISHTI IAS MAINS TEST SERIES 2024

GEOGRAPHY (OPTIONAL SUBJECT)

Available in **English Medium** Only

STARTING : 17TH DECEMBER 2023

Total 16 Tests

12 Sectional

4 Full Syllabus

Available in **Online** and **Offline** Mode

FEE : ₹16,000/-

Mukherjee Nagar

VARDHMAN COMPLEX, NEHRU
VIHAR, NEAR MUKHERJEE
NAGAR, DELHI

Karol Bagh

21, PUSA ROAD,
KAROL BAGH,
NEW DELHI

Prayagraj

13/15 EDMONSTON ROAD,
TASHKENT MARG, PRAYAGRAJ
(UTTAR PRADESH)

Jaipur

PLOT NO. 45, 45A, HARSH
TOWER 2, TONK ROAD, JAIPUR
(RAJASTHAN)

Lucknow

47/CC, BURLINGTON MALL,
VIDHAN SABHA MARG,
LALBAGH, LUCKNOW, U.P.

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Salient Features

- Language, style and standard of questions are similar to Geography optional questions asked by the Union Public Service Commission.
- The sectional tests comprise of 14 questions, and all are compulsory. Each test is of 200 marks and has to be completed within a time period of 2.5 hours.
- The sectional tests cover topic wise basics of entire Geography optional syllabus.
- The full-length tests consist of cross-topic questions to simulate real time exam pattern.
- Use of standard Geography reference books and authentic sources for model answers.
- Crisp and fluid model answers that cover basic aspects to applied principles of Geography and current affairs relevant to the question.
- Use of suitable examples, accurate diagrams and graphic analysis in model answers for lucid presentation and better scoring.
- Adequately spaced tests to allow for better preparation, feedback and improvement.

Test Code	Date	Syllabus
Test-1 OPT-G-2401	17 December, 2023 (Sunday)	Geomorphology
Test-2 OPT-G-2402	24 December, 2023 (Sunday)	Climatology; Oceanography
Test-3 OPT-G-2403	7 January, 2024 (Sunday)	Biogeography; Environmental Geography
Test-4 OPT-G-2404	21 January, 2024 (Sunday)	Economic Geography; Regional Planning
Test-5 OPT-G-2405	4 February, 2024 (Sunday)	Population and Settlement Geography
Test-6 OPT-G-2406	18 February, 2024 (Sunday)	Perspective in Human Geography; Models, Theories and Laws in Human Geography
Test-7 OPT-G-2407	9 June, 2024 (Sunday)	Physical Setting; Resources
Test-8 OPT-G-2408	16 June, 2024 (Sunday)	Agriculture

Test Code	Date	Syllabus
Test-9 OPT-G-2409	23 June, 2024 (Sunday)	Industry
Test-10 OPT-G-2410	30 June, 2024 (Sunday)	Transport, Communication and Trade
Test-11 OPT-G-2411	7 July, 2024 (Sunday)	Settlements; Regional Development and Planning
Test-12 OPT-G-2412	14 July, 2024 (Sunday)	Cultural Setting; Political Aspects; Contemporary Issues
Test-13 OPT-G-2413	28 July, 2024 (Sunday)	Full Length Paper-I
Test-14 OPT-G-2414		Full Length Paper-II
Test-15 OPT-G-2415	11 August, 2024 (Sunday)	Full Length Paper-I
Test-16 OPT-G-2416		Full Length Paper-II

*For detailed breakup of syllabus, kindly refer to the subsequent pages.



Test Schedule

Test Code	Test Date	Subject
Test-1 OPT-G-2401	17 December, 2023 (Sunday)	<ul style="list-style-type: none"> ● Geomorphology: Factors controlling landform development; endogenetic and exogenetic forces; Origin and evolution of the earth's crusts; Fundamentals of geomagnetism; Physical conditions of the earth's interior; Geosynclines; Continental drift; Isostasy; Plate tectonics; Recent views on mountain building; Volcanicity; Earthquakes and Tsunamis; Concepts of geomorphic cycles and Land scape development; Denudation chronology; Channel morphology; Erosion surfaces; Slope development; Applied Geomorphology; Geomorphology, economic geology and environment.
Test-2 OPT-G-2402	24 December, 2023 (Sunday)	<ul style="list-style-type: none"> ● 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 fronts; Temperate and tropical cyclones; Types and distribution of precipitation; Weather and Climate; Koppen's Thornthwaite's and Trewartha's classification of world climate; Hydrological cycle; Global climatic change, and role and response of man in climatic changes Applied climatology and Urban climate. ● 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; Marine resources; biotic, mineral and energy resources; Coral reefs coral bleaching; Sea-level changes; Law of the sea and marine pollution.
Test-3 OPT-G-2403	7 January, 2024 (Sunday)	<ul style="list-style-type: none"> ● Biogeography: 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 forestry, agro-forestry; Wild life; Major gene pool centres. ● Environmental Geography: Principle 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.
Test-4 OPT-G-2404	21 January, 2024 (Sunday)	<ul style="list-style-type: none"> ● Economic Geography: World economic development: measurement and problems; World resources and their distribution; Energy crisis; the 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: location patterns and problems; Patterns of world trade. ● 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.



Test-5 OPT-G-2405	4 February, 2024 (Sunday)	<ul style="list-style-type: none"> ● 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; Concept 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.
Test-6 OPT-G-2406	18 February, 2024 (Sunday)	<ul style="list-style-type: none"> ● 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: System analysis in Human geography; Malthusian, Marxian and demographic transition models; Central Place theories of Christaller and Losch; Perroux and Boudeville; Von Thunen's model of agricultural location; Weber's model of industrial location; Ostov's model of stages of growth. Heart-land and Rimland theories; Laws of international boundaries and frontiers.
Test-7 OPT-G-2407	9 June, 2024 (Sunday)	<ul style="list-style-type: none"> ● Physical Setting: Space relationship of India with neighbouring 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. ● Resources: Land, surface and ground water, energy, minerals, biotic and marine resources, Forest and wild life resources and their conservation; Energy crisis.
Test-8 OPT-G-2408	16 June, 2024 (Sunday)	<ul style="list-style-type: none"> ● 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, Agriculture and poultry; Agricultural regionalisation; Agro-climatic zones; Agro-ecological regions.
Test-9 OPT-G-2409	23 June, 2024 (Sunday)	<ul style="list-style-type: none"> ● Industry: Evolution of industries; Locational factors of cotton, jute, textile, iron and steel, aluminium, fertiliser, paper, chemical and pharmaceutical, automobile, cottage and agro-based industries; Industrial houses and complexes including public sector underkings; Industrial regionalisation; New industrial policy; Multinationals and liberalisation; Special Economic Zones; Tourism including ecotourism.
Test-10 OPT-G-2410	30 June, 2024 (Sunday)	<ul style="list-style-type: none"> ● Transport, Communication and Trade: Road, railway, waterway, airway and pipeline net works 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.

Test-11 OPT-G-2411	7 July, 2024 (Sunday)	<ul style="list-style-type: none"> ● 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 urbanisation and remedies. ● 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.
Test-12 OPT-G-2412	14 July, 2024 (Sunday)	<ul style="list-style-type: none"> ● 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: sex-ratio, age structure, literacy rate, work-force, dependency ratio, longevity; migration (inter-regional, interaregional and international) and associated problems; Population problems and policies; Health indicators. ● 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. ● Contemporary Issues: Ecological issues: Environmental hazards: landslides, earthquakes, Tsunamis, floods and droughts, epidemics; Issues related 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; Globalisation and Indian economy.
Test-13 OPT-G-2413	28 July, 2024 (Sunday)	● Full Length Paper-I
Test-14 OPT-G-2414		● Full Length Paper-II
Test-15 OPT-G-2415	11 August, 2024 (Sunday)	● Full Length Paper-I
Test-16 OPT-G-2416		● Full Length Paper-II



SUGGESTED RESOURCES

1. NCERT 2. Certificate Physical and Human Geography - G C Leong 3. Geography Made Simple (Vol1 and Vol2) - Rupa Publication a. Physical Geography b. Economic and Social Geography 4. Geomorphology – Savindra Singh 5. Climatology – Savindra Singh 6. Oceanography – Savindra Singh 7. Biogeography – Savindra Singh 8. Environmental Geography – Savindra Singh	9. Human Geography – Majid Hussain 10. Models and Theories – Majid Husain 11. Geographical thought – R D Dixit 12. Fundamentals of Geographical thought – Sudipta Adhikari 13. Settlement Geography – K Siddhartha & S. Mukherjee 14. India's – Comprehensive Geography – D R Khullar 15. Oxford School Atlas 16. Economic Survey 17. Down to Earth, Yojna, Kurukshetra 18. UN reports and NITI Aayog reports
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UPSC (2023) & Drishti IAS Mains Test Series (Geography Optional) Comparative Analysis

Paper 1

Test Series (Code)	Question Code	Drishti IAS Test Series Question	UPSC Question Number	UPSC Question	Marks
G2315	4(b)	● Discuss the role of strophic balance in causing steady flow and direction of global winds. Explain the concept of 'subgeostrophic' and 'supergeostrophic' winds.	1(a)	● What is "Geostrophic Wind"? Explain the relationship between barometric slope and air circulation.	10
G2313	2(c)	● Harry Hess's concept of sea floor spreading proved to be the crucial link needed to go from Wegener's ideas of continental drift to the concept of plate tectonics. Discuss.	2(a)	● "Evidences from palaeomagnetism and sea floor spreading have validated that continents and ocean basins have never been stationary." Elucidate with suitable diagrams.	20
G2301	2(c)	● The theory of continental drift is more philosophical in nature in comparison with the theory of Seafloor spreading. Discuss			

G2303	Q6(c)	<ul style="list-style-type: none"> Discuss the development of local winds and, with suitable examples, bring out the impact of local winds on the climate of an area. 	3(a)	<ul style="list-style-type: none"> What are the causes of origin of local winds? Discuss their significance on prevailing weather and climate in various regions, with suitable examples. 	20
G2304	5(a)	<ul style="list-style-type: none"> Write a brief note on the soil profile. 	4(b)	<ul style="list-style-type: none"> Differentiate between the characteristics of organic horizons and mineral horizons in a generalised soil profile. 	15
G2303	3(a)	<ul style="list-style-type: none"> What do you mean by “inversion of temperature”. Give an account of the types and impacts of inversion of temperature. 	4(c)	<ul style="list-style-type: none"> How does inversion of temperature occur? Explain its significance on local weather with suitable examples. 	15
G2304	5(e)	<ul style="list-style-type: none"> The concept of “limit to growth” takes into account the interdependence of the population, agriculture, industry, resources and environment. Comment. 	6(c)	<ul style="list-style-type: none"> Explain population, resource use and development nexus in the Limits to Growth Model. Why has this model been criticized intensively? 	15
G2305	1(d)	<ul style="list-style-type: none"> With critiques, write a brief note on the main thesis of “limits to growth” 			

Paper 2

Test Series (Code)	Question Code	Drishti IAS Test Series Question	UPSC Question Number	UPSC Question	Marks
G2309	1(a) (iii)	<ul style="list-style-type: none"> Nathula Pass 	1(a) (i)	<ul style="list-style-type: none"> (i) Nathula 	2
G2307	1(a) (iv)	<ul style="list-style-type: none"> Ramappa temple 	1(a) (v)	<ul style="list-style-type: none"> (v) Ramappa 	2
G2312	7(a)	<ul style="list-style-type: none"> “Nutri-cereals can play a significant role in battling food insecurity, malnutrition and climate change”- In the light of the given statement analyse why Government of India is pushing for Millet mission. 	2(b)	<ul style="list-style-type: none"> why are millets considered as 'nutri-cereals' and climate-resistant? Discuss the constraints and opportunities of millet cultivation in India. 	15
G2307	3(a)	<ul style="list-style-type: none"> Examine the relevance of the Andaman and Nicobar (A&N) and Lakshadweep Islands in light of their strategic location and current government initiatives in these regions. 	2(c)	<ul style="list-style-type: none"> Examine the geostrategic significance of Indian islands. 	15
G2316	2(b)	<ul style="list-style-type: none"> Throw light on flood-prone areas in India. What are the challenges facing flood disaster management in India? 	3(b)	<ul style="list-style-type: none"> Discuss the problems of floods and their management with special reference to Indo-Gangetic Plain. 	15
G2307	4(b)	<ul style="list-style-type: none"> Discuss what mitigation measures can be taken to protect human life, land, and property from flood fury. 			

G2316	6(c)	● India, despite being in a position of demographic dividend, is not able to take economic advantage of it due to the poor education system. Discuss.	4(a)	● With Falling fertility rate and rising median age, how can India translate demographic dividend to economic dividend ?	20
G2314	4(c)	● Discuss the problems and prospects of the jute industry in India.	5(a)	● Identify the jute-producing areas and discuss the major causes of decline of jute mill industry in India.	10
G2312	2(b)	● Discuss the role of critical minerals in clean energy transition.	5(e)	● Why are critical minerals essential for the economic development and national security in India?	10
G2311	4(b)	● Write a short note on the command area development programme and its objectives.	7(c)	● Critically examine the ecological and economic impact of Indira Gandhi Canal Command Area Development.	15
G2311	8(c)	● Suggest measures of sustainable development in the Indira Gandhi Canal Command Area.			
G2308	2(b)	● Indian agriculture is plagued by several problems. Discuss the economic and infrastructural problems associated with the Indian agricultural productivity.	8(a)	● Why India lags behind many other countries in agricultural productivity? Suggest suitable measures to raise productivity across the regions in a sustainable manner.	20
G2308	5(d)	● What are high yielding seeds (HYV)? Discuss the benefits of HYV seeds and how it can help farmers to enhance their agricultural productivity			
G2308	6(a)	● “Decreasing agriculture production and ensuring food security were the main concern for agricultural development”, discuss how the crop diversification will help in getting out of this situation.			