

**VTS - GEOGRAPHY OPTIONAL DAILY ANSWER WRITING PRACTICE
WITH MAINS TEST SERIES PROGRAM 2023 – DELHI & CHENNAI**

<p>Features</p>	<ul style="list-style-type: none"> • Duration: 3 months • No of tests: 09 total tests comprising 05 sectional tests and 04 full-length tests • The last 2 full-length tests of both papers will be discussed in online mode but the answer paper will not be evaluated. • Questions: based on the UPSC CSE pattern and curated by highly qualified and experienced faculty • Evaluation: <ul style="list-style-type: none"> - Evaluation process focuses on assessing the answers in three dimensions. <ol style="list-style-type: none"> 1. Conceptual clarity 2. Structure and presentation 3. Geographical inputs (maps, e.g., etc.) - Answer papers will be evaluated, reviewed, and personalized one-on-one discussions with the students. • Tests will be discussed online by Geography optional faculty. • An extensive model answer key document will be provided for each test. • Students can write the tests at Vajiram & Ravi's Delhi and Chennai centre. Students can also appear for the tests in online mode. • Tests will be held on Wednesdays. In case of any change of tests date, the same will be informed to the student through the portal. • Students can write the exam up to one week from the scheduled date. • Answer paper feedback will be provided within the timeline of 7 days to a maximum of 10 days from the date of your submission.
<p>Daily Answer Writing Practice</p>	<ul style="list-style-type: none"> • The mains test schedule is conducted at an interval of 14 days. • Daily answer writing practice will be held in-between the mains tests. • Syllabus/topic for the daily mains answer writing schedule will be provided which will match the subsequent test syllabus. • The daily answer writing is a practice for structuring the optional answer to cater to the needs of UPSC. • Every day 03 questions of UPSC Mains PYQ and potential questions will be shared with the students.

	<ul style="list-style-type: none"> The daily answer writing practice will be held online and students should complete the answer writing by 5 p.m and be ready for online tests discussion every day at 7 pm. Note: the daily answer writing practice answers will only be discussed and not evaluated.
Date of commencement	Daily answer writing practice- 12th June, 2023 Mains test series -21 st of June, 2023
Fee structure (inclusive of GST)	Rs. 10,000

MAINS EXAM OPTIONAL TEST SERIES SCHEDULE - 2023

- The test schedule is prepared in a way such that it connects Paper - I and Paper - II as the subject is interconnected and interdisciplinary.
- Paper 1 is coded in Red colour and paper 2 is coded in blue colour.

Test No.	Date	Syllabus/ Topic	Discussion date
01	21-06-23	<p>Paper - I</p> <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</p> <p>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>	28-06-23

		<p>Resources: Land, surface and ground water,</p> <p>Paper – II</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>	
02	05-07-23	<p>Paper - I</p> <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>Paper – II</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;</p>	12-07-23

		<p>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>	
03	19-07-23	<p>Paper - I</p> <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>	26-07-23

		<p>Paper – II</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, 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>	
04	02-08-23	<p>Paper - I</p> <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</p>	09-08-23

		<p>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>Paper – II</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>	
05	16-08-23	<p>Paper - I</p> <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</p>	23-08-23

		<p>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>Paper – II</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>	
06	30-08-23 Forenoon	Paper – I Full length test	Recorded video
07	30-08-23 Afternoon	Paper – II Full length test	Recorded video
08	6-9-2023 Forenoon	Paper – I Full length test (Online test discussion. Answer papers are not evaluated)	Recorded video
09	6-9-2023 Afternoon	Paper – II Full length test	Recorded video

	(Online test discussion. Answer papers are not evaluated)	
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VTS - DAILY ANSWER WRITING SCHEDULE

Date	Syllabus / Topic for Daily Answer Writing
12-06-23	Areal differentiation; regional synthesis; Quantitative revolution and locational analysis; Systems analysis in Human geography
13-06-23	radical, behavioural, human and welfare approaches;
14-06-23	Dichotomy and dualism; Environmentalism; (and other syllabus related topics)
15-06-23	Languages, religions and secularisation; Cultural regions of the world; Human development index
16-06-23	World agriculture: typology of agricultural regions; Von Thunen's model of agricultural location;
17-06-23	agricultural inputs and productivity; Food and nutrition problems; Food security; famine: causes, effects and remedies;
18-06-23	Infrastructure: irrigation, seeds, fertilizers, power; Institutional factors: land holdings, land tenure and land reforms; Cropping pattern, agricultural productivity, agricultural intensity, crop combination, land capability;
19-06-23	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
20-06-23	Land, surface and ground water, Changes in patterns of land use; Population explosion and food security; Problems of agrarian unrest; Linkage of rivers;
21-06-23	Mains test - 01
22-06-23	Weber's model of industrial location; Rostov's model of stages of growth. limits to growth;
23-06-23	World economic development: measurement and problems; World resources and their distribution; World industries: locational patterns and problems;
24-06-23	Energy, minerals, biotic and marine resources; Energy crisis.
25-06-23	Evolution of industries; Locational factors of cotton, jute, textile, cottage and agro - based industries;
26-06-23	Evolution of industries; Locational factors of Iron and steel, aluminium, fertilizer, paper, chemical and pharmaceutical, automobile, etc
27-06-23	Industrial houses and complexes including public sector undertakings; Industrial regionalisation; New industrial policies;
28-06-23	Multinationals and liberalization; Special Economic Zones; Tourism including eco -tourism.

29-06-23	Road, railway, waterway, airway and pipeline networks and their complementary roles in regional development;
30-06-23	patterns of world trade, Trade balance; Trade Policy;
1-07-23	Growing importance of ports on national and foreign trade; Export processing zones;
2-07-23	Developments in communication and information technology and their impacts on economy and society;
3-07-23	Developments in Indian space programme and their impacts.
4-07-23	Problems of industrial unrest; Globalisation and Indian economy
5-07-23	Mains test - 02
6-07-23	Population theories, Malthusian, Marxian and demographic transition models; world population problems and policies, concepts of over-under and optimum population; Population problems and policies; Health indicators.
7-07-23	Growth and distribution of world population; demographic attributes; Growth, distribution and density of population; Demographic attributes: sex ratio, age structure, literacy rate, work-force, dependency ratio, longevity;
8-07-23	Social well-being and quality of life; Population as social capital. Racial, linguistic and ethnic diversities; religious minorities; major tribes, tribal areas and their problems; cultural regions;
9-07-23	Causes and consequences of migration; migration (inter- regional, intra- regional and international) and associated problems;
10-07-23	Types and patterns of rural settlements: Environmental issues in rural settlements; Types, patterns and morphology of rural settlements;
11-07-23	Hierarchy of urban settlements; Functional classification of towns; Sphere of urban influence; Rural - urban fringe; Satellite towns; Urban developments; Morphology of Indian cities; Functional classification of Indian cities; Conurbations and metropolitan regions;
12-07-23	Problems and remedies of urbanization; Sustainable development of cities urban sprawl; Slums and associated problems; town planning; Problems of urbanization and remedies.
13-07-23	Central Place theories of Christaller and Losch. Urban morphology: Concepts of primate city and rank size rule;
14-07-23	Concept of a region; Types of regions and methods of regionalisation;
15-07-23	Growth centres and growth poles; Theories of Perroux and Boudeville;
16-07-23	Regional imbalances; regional development strategies; Experience of regional planning in India; Five Year Plans; Integrated rural development programmes; Panchayati Raj and decentralised planning;
17-07-23	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

18-07-23	environmental issues in regional planning; Planning for sustainable development. Regional disparities in economic development; Concept of sustainable growth and development;
19-07-23	Mains test -03
20-07-23	Temperature and pressure belts of the world; Heat budget of the earth; Atmospheric circulation; Air masses and fronto genesis,
21-07-23	Monsoons and jet streams; Types and distribution of precipitation; Mechanism of Indian monsoons and rainfall patterns,
22-07-23	Temperate and tropical cyclones; Planetary and local winds; atmospheric stability and instability. Tropical cyclones and western disturbances;
23-07-23	Weather and Climate; Koppen's, Thornthwaite's and Trewartha's classification of world climates; Hydrological cycle, Climatic regions;
24-07-23	Global climatic change and role and response of man in climatic changes, Applied climatology and Urban climate.
25-07-23	Bottom topography of the Atlantic, Indian and Pacific Oceans; Temperature and salinity of the oceans; Heat and salt budgets,
26-07-23	Ocean deposits; Waves, currents and tides; Coral reefs, coral bleaching;
27-07-23	sea-level changes and marine pollution, Marine resources: biotic, mineral and energy resources; law of the sea. biotic and marine resources;
28-07-23	Factors influencing world distribution of plants and animals; Problems of deforestation and conservation measures; Deforestation, desertification and soil erosion
29-07-23	Social forestry; agroforestry; Wild life; Major gene pool centres. Forest and wild life resources and their conservation;
30-07-23	Principle of ecology; Human ecological adaptations; Influence of man on ecology and environment; Global and regional ecological changes and imbalances;
31-07-23	Ecosystem their management and conservation; Environmental degradation, management and conservation; Ecological issues; Issues relating to environmental pollution; Principles of environmental impact assessment and environmental management; Environmental degradation; Environmental awareness;
1-08-23	Environmental policy; Environmental education and legislation, Biodiversity and sustainable development; Environmental hazards and remedial measures;
2-08-23	Mains test - 04
3-08-23	Origin and evolution of the earth's crust; Fundamentals of geomagnetism; Physical conditions of the earth's interior;
4-08-23	Geosynclines; Continental drift; Isostasy; Plate tectonics; Recent views on mountain building;
5-08-23	Vulcanicity; Earthquakes and Tsunamis;
6-08-23	Concepts of geomorphic cycles and Landscape development

7-08-23	Denudation chronology; Channel morphology; Erosion surfaces; Slope development ;
8-08-23	Applied Geomorphology : Geohydrology, economic geology and environment, Factors controlling landform development; endogenetic and exogenetic forces;
9-08-23	Biogeography: Genesis of soils; Classification and distribution of soils; Soil profile; Soil erosion, Degradation and conservation;
10-08-23	Space relationship of India with neighboring countries; Structure and relief; Drainage system and watersheds;
11-08-23	Physiographic regions; Floods and droughts; Natural vegetation; Soil types and their distributions.
12-08-23	Environmental hazards: landslides, earthquakes, Tsunamis, floods and droughts, epidemics;
13-08-23	Heartland and Rimland theories; Laws of international boundaries and frontiers.
14-08-23	Geographical basis of Indian federalism; State reorganisation; Emergence of new states; Regional consciousness and inter state issues;
15-08-23	International boundary of India and related issues; Cross border terrorism; India's role in world affairs; Geopolitics of South Asia and Indian Ocean realm.
16-08-23	Mains test - 05