GS SCORE

An Institute for Civil Services

MAINS TEST SERIES 2024

GEOGRAPHY Q&A

COMPLETE SYLLABUS *through*

CONCEPT CLASSES & ANSWER WRITING

ONLINE

- 45+ Classes for Concept Building
- 3 Level of Test for Gradual Improvement
  - 14 Topical Tests (10 Questions)
  - 2 Sectional Tests (20 Questions)
  - 4 Full Mock Tests (As per UPSC Pattern)
- 10 PYQs Discussion Sessions
- Test Discussion after each Topical Test
- Doubt Clearing Session after Copy Evaluation for Marks improvement.

BATCH STARTS 10 JUNE, 2023

09:00 AM

PROGRAM FEE ₹ 20,000/- (including GST)

8448496262

iasscore.in

Mentor: ANURAG PATHAK

GS SCORE

PROGRAMME FEATURES

01 A new programme exclusively designed for high achieving candidates targeting the 2024 Mains.

02 This programme will give an opportunity to cover the entire Geography Optional Syllabus along with Answer Writing Practice

03 The most innovative and effective course to score 300+ marks in Geography Optional.

04 Every topic in the syllabus will be covered through classes, weekly Answer writing sessions and insightful, comprehensive discussions.

05 Topic Wise PYQs discussions will be provided after completion of a topic

06 Revision test to be conducted after completion of a section of syllabus. Tests will be based on UPSC pattern & evaluation will be done by Experts and Faculty only.

07 Regular Doubt clearing sessions will be conducted for personalised mentoring & performance improvement.

08 Crisp and specially curated study material (PDF) of contemporary issues will be provided to aid in quick revision.

SESSION PLAN

PHYSICAL GEOGRAPHY

SESSION	TOPICS
SESSION: 01 10 JUNE, 2023	Approach to Geography Optional (Paper: 1)
SESSION: 02 11 JUNE, 2023	Approach to Geography Optional (Paper: 2)
1. CLIMATOLOGY	
SESSION: 03 12 JUNE, 2023	• Heat budget of the earth; • Temperature and pressure belts of the world; • Atmospheric Circulation; • Planetary and local winds;
SESSION: 04 13 JUNE, 2023	• Monsoons and jet streams; • Physical Setting (Paper II): Mechanism of Indian monsoons and rainfall patterns, • Monsoon - New monsoon forecast model, role of Asian desert dust over Indian summer monsoon, monsoon shifts
SESSION: 05 14 JUNE, 2023	• Atmospheric stability and instability; • Air masses and frontogenesis: temperate and tropical cyclones; • Types and distribution of precipitation; • Hydrological cycle; • Physical Setting (Paper II): Tropical cyclones and western disturbances (India);

SESSION	TOPICS
	• Physical Setting (Paper II): Floods and droughts (India); • Cyclone Amphan • Tropical cyclones move closer to land except for Atlantic hurricanes • Increasing lighting strikes a cause of concern for the world • Floods in Europe and lessons for India • Flood management – with special reference to India-Nepal, GLOF • Flash droughts in India
SESSION: 06 **15 JUNE, 2023**	• Koppen's, Thornthwaite's and Trewartha's classification of world climates; • Global climatic change and role and response of man in climatic changes, • Applied climatology and Urban climate • 6th IPCC report • Climate partnership with US • Green contracts • Net-Zero, Caron-neutrality (Why is it difficult for India to get to net zero), Climate justice • Green era • Kigali Amendment ratification • India's Climate Performance • Arctic Heatwave • Arctic policy Draft of India • Effect of climate on Pantanal world largest tropical wetland • Changing Climate, Changing Ocean, Changing Planet
SESSION: 07 **16 JUNE, 2023**	**PYQs Discussion - 1**
SESSION: 08 **18 JUNE, 2023**	**Topical Test: 1**

SESSION	TOPICS
2. GEOMORPHOLOGY	
SESSION: 09 **19 JUNE, 2023**	• Origin and evolution of the earth's crust; • Physical conditions of the earth's interior; • Fundamentals of geomagnetism; • Sun's mid-life crisis • Role of neutrinos in supernovas • Jhuran Formation of Kutch
SESSION: 10 **20 JUNE, 2023**	• Continental Drift • Seafloor Spreading • Plate Tectonics
SESSION: 11 **21 JUNE, 2023**	• Vulcanicity; Earthquakes and Tsunamis; • **Contemporary Issues (Paper II):** Environmental hazards: Landslides, Earthquakes, Tsunamis • Vulnerability of North East India to large earthquakes • Landslips in Himachal Pradesh, Nandi hills
SESSION: 12 **25 JUNE, 2023**	**Topical Test: 2**
SESSION: 13 **26 JUNE, 2023**	• Recent views on mountain building; • Geosynclines; • Isostasy;
SESSION: 14 **27 JUNE, 2023**	• Factors controlling landform development; • endogenetic and exogenetic forces;
SESSION: 15 **28 JUNE, 2023**	• Concepts of geomorphic cycles and Landscape development; Denudation chronology; Channel morphology; Erosion surfaces; Slope development;
SESSION: 16 **02 JULY, 2023**	**Topical Test: 3**

SESSION	TOPICS
SESSION: 17 03 JULY, 2023	• Physical Setting (Paper II): Structure and relief; Drainage system and watersheds; Physiographic regions;
SESSION: 18 04 JULY, 2023	• Applied Geomorphology: Geohydrology, economic geology and environment.
SESSION: 19 07 JULY, 2023	**PYQs Discussion - 2**
SESSION: 20 09 JULY, 2023	**Topical Test: 4**
3. OCEANOGRAPHY	
SESSION: 21 10 JULY, 2023	• Bottom topography of the Atlantic, Indian and Pacific Oceans; • Temperature and salinity of the oceans; • Heat and salt budgets • Waves, currents and tides; • Atlantic Meridional Overturning Circulation (AMOC) • Marine Heat Waves
SESSION: 22 11 JULY, 2023	• Marine resources: biotic, mineral and energy resources; • Ocean deposits; • India's deep ocean mission
SESSION: 23 12 JULY, 2023	• Coral reefs, coral bleaching; • sea-level changes; • law of the sea and marine pollution. • UNCLOS and marine security • Sea level rise • Great Barrier Reef Bleaching • Ocean Governance: A Fragmented Regulatory Framework • The Arctic Governance Challenge • The Western Indian Ocean Region And The Coordinated Fight Against Land-Based Sources Of Pollution

SESSION	TOPICS
SESSION: 24 14 JULY, 2023	PYQs Discussion - 3
SESSION: 25 16 JULY, 2023	Topical Test: 5
4. BIOGEOGRAPHY	
SESSION: 26 17 JULY, 2023	• Genesis of soils; • Classification and distribution of soils; • Soil profile; • Soil erosion, Degradation and conservation; • Physical Setting (Paper II): Soil types and their distributions (India) • Lakshadweep and coastal erosion
SESSION: 27 18 JULY, 2023	• Factors influencing world distribution of plants and animals; • Problems of deforestation and conservation measures; Wild life; • Social forestry; agro-forestry; • Major gene pool centres. • Physical Setting (Paper II): Natural vegetation (India) • Contemporary Issues (Paper II): Changes in patterns of land use; Deforestation, desertification and soil erosion; • Importance of Vultures to control disease outbreak • Human-Elephant conflict -Bee fences • Leatherback nesting sites could be overrun by Andamans development project • Beema Bamboo: Oxygen Park, solution for climate change
SESSION: 28 21 JULY, 2023	PYQ Discussion - 4

SESSION	TOPICS
SESSION: 29 23 JULY, 2023	Topical Test: 6
5. ENVIRONMENTAL GEOGRAPHY	
SESSION: 30 24 JULY, 2023	• Principle of ecology; • Human ecological adaptations; Influence of man on ecology and environment; Global and regional ecological changes and imbalances; • Desert Locust Outbreak • Amazon Wildfires • Chinese Paddlefish Extinction • Chamoli disaster- flash floods, Glacier collapse • Wildfire- Dzukou Valley, Similipal • Applying The Large Marine Ecosystem Approach In The Western Indian Ocean
SESSION: 31 25 JULY, 2023	• Ecosystem their management and conservation; • Environmental degradation, management and conservation; • Biodiversity and sustainable development; • National Marine Turtle Action Plan 2021-26 • New waves in marine conservation • Integrated Development of Wildlife Habitats • Biodiversity issues- Saving biodiversity, securing earth's future • Contribution of Individual in Biodiversity Conservation: Cleaning of Vembanad lake by a paralysed man • A Regional Approach To Marine Environmental Protection: The "Regional Seas" Experience
SESSION: 32 26 JULY, 2023	• Environmental policy; Environmental hazards and remedial measures; Environmental education and legislation. • Contemporary Issues (Paper II): Ecological issues; Environmental degradation; Issues relating to environmental pollution;

SESSION	TOPICS
	• Contemporary Issues (Paper II): Principles of environmental impact assessment and environmental management • Contemporary Issues (Paper II): Environmental awareness; • Plastic pollution • Destruction of Sundarbans, Sundarbans is now drowning in plastic • Delhi's Air pollution Issues, solutions, smog tower, WHO tightens global air quality norms • Role of Environmental regulators (in backdrop of EIA issues) • Pandemic exposes weaknesses in India's disaster Management Response • Furnace oil from Titanium factory spills into sea
SESSION: 33 **28 JULY, 2023**	**PYQ Discussion - 5**
SESSION: 34 **30 JULY, 2023**	**Topical Test: 7**
06 AUGUST, 2023	**SECTIONAL TEST 1: PHYSICAL GEOGRAPHY (COMPLETE PHYSICAL GEOGRAPHY)**
HUMAN & ECONOMIC GEOGRAPHY	
6. PERSPECTIVES IN HUMAN GEOGRAPHY	
SESSION: 35 **07 AUGUST, 2023**	• Areal differentiation; • Regional synthesis; • Dichotomy and dualism;
SESSION: 36 **08 AUGUST, 2023**	• Environmentalism; • Quantitative revolution and behavioural approach • radical, human and welfare approaches;

SESSION	TOPICS
SESSION: 37 09 AUGUST, 2023	• Locational analysis; • Languages, religions and secularisation; • Cultural regions of the world; • Human development index.
SESSION: 38 10 AUGUST, 2023	• Cultural Setting (Paper II): Historical Perspective of Indian Society; • Cultural Setting (Paper II): Racial, linguistic and ethnic diversities; religious minorities; major tribes, tribal areas and their problems; • Cultural Setting (Paper II): Cultural regions;
SESSION: 39 11 AUGUST, 2023	**PYQs Discussion - 6**
SESSION: 40 13 AUGUST, 2023	**Topical Test: 8**
7. ECONOMIC GEOGRAPHY	
SESSION: 41 14 AUGUST, 2023	• World economic development: measurement and problems; • World resources and their distribution; • Resources (Paper II): Land, surface and groundwater, energy, minerals, biotic and marine resources; • Water pollution • Zero Liquid Discharge (ZLD) • Jal Shakti Abhiyan: Catch the Rain Campaign • Modernisation of fishing harbours • India Energy Outlook 2021 • OCEAN IRON FERTILISATION
SESSION: 42 15 AUGUST, 2023	• Resources (Paper II): Forest and wildlife resources and their conservation; • The limits to growth; • Energy crisis;

SESSION	TOPICS
	• Resources (Paper II): Energy crisis • Renewable energy – Clean energy • One Nation One Gas Grid • Geothermal Energy • Solar Rooftop (SRT) System • Profitable DISCOMS- key to Uninterrupted power supply • Incentives for solar energy sector • National Hydrogen Energy Mission (NHEM) Shutting down coal plants
SESSION: 43 **16 AUGUST, 2023**	• World agriculture: typology of agricultural regions; • Agriculture (Paper II): Agricultural regionalisation; agro-climatic zones; agro- ecological regions.
SESSION: 44 **20 AUGUST, 2023**	**Topical Test: 9**
SESSION: 45 **21 AUGUST, 2023**	• Agricultural inputs and productivity; • Agriculture (Paper II): Cropping pattern, agricultural productivity, agricultural intensity, crop combination, land capability; • Agriculture (Paper II): Institutional factors: land holdings, land tenure and land reforms; • Agriculture (Paper II): Infrastructure: irrigation, seeds, fertilizers, power; • Changing Cropping Pattern • Role of women farmers in Agriculture • Overcoming Water challenge in agriculture • Climate-resilient grains • Environmental impact of Agricultural Subsidies
SESSION: 46 **22 AUGUST, 2023**	• Food and nutrition problems; Food security; • Famine: causes, effects and remedies; • Contemporary Issues (Paper II): Population explosion and food security;

SESSION	TOPICS
	• Agriculture (Paper II): Green revolution and its socio-economic and ecological implications; Agro and social-forestry; • Agriculture (Paper II): Significance of dry farming; Livestock resources and white revolution; aqua - culture; sericulture, apiculture and poultry; • Contemporary Issues (Paper II): Problems of agrarian unrest • Dairy Farming: Methane Emission • Blue Economy: Fisheries & Seaweed Farming • National Mission on Edible Oil-Oil Palm (NMEO-OP) • Palm oil cultivation Issues • Community Forest Rights • Issues with coffee production • Sub-Mission on Fodder and Feed • Bhartiya Prakritik Krishi Paddhati (BPKP) • Government response of Food crisis during Covid-19
SESSION: 47 **23 AUGUST, 2023**	• World industries: locational patterns and problems; • Industry (Paper II): Evolution of industries; Locational factors of cotton, jute, textile, iron and steel, aluminium, fertilizer, paper, chemical and pharmaceutical, automobile, cottage and agro-based industries; • Industry (Paper II): Industrial regionalisation; • Contemporary Issues (Paper II): Problems of industrial unrest; • Food Processing Sector- Key to agricultural Growth • Ailing Sugar Industries and Sugar Pricing Issues • Changing nature of Automobile Industries in the backdrop of EV vehicles • Two-wheeler electrification in India
SESSION: 48 **24 AUGUST, 2023**	• Patterns of world trade. • Transport, Communication and Trade (Paper II): Trade balance; Trade Policy; Export processing zones; • Industry (Paper II): Industrial houses and complexes including public sector undertakings;

SESSION	TOPICS
	• Transport, Communication and Trade (Paper II): Road, railway, waterway, airway and pipeline networks and their complementary roles in regional development; Growing importance of ports on national and foreign trade; • Industry (Paper II): New industrial policies; Multinationals and liberalization; Special Economic Zones; Tourism including eco-tourism. • Contemporary Issues (Paper II): Globalisation and Indian economy. • Major Port Authorities Act, 2021 + Draft Indian Ports Bill, 2021 • Regional Rapid Transit System • Odisha's coastal highway • AERA Act amendment – Way to boost up Air transport
SESSION: 49 **25 AUGUST, 2023**	**PYQs Discussion - 7**
SESSION: 50 **27 AUGUST, 2023**	**Topical Test: 10**
8. POPULATION AND SETTLEMENT GEOGRAPHY	
SESSION: 51 **28 AUGUST, 2023**	• Concepts of over-, under- and optimum population; • Population theories, world population problems and policies, Social well-being and quality of life; • Malthusian, Marxian and Demographic Transition models;
SESSION: 52 **29 AUGUST, 2023**	• Growth and distribution of world population; • Cultural Setting (Paper II): Growth, distribution and density of population; • Demographic attributes; • Cultural Setting (Paper II): Demographic attributes: sex ratio, age structure, literacy rate, work-force, dependency ratio, longevity; • A step back in gender equality • Role of advertisements in Gender equality • Social and emotional learning

SESSION	TOPICS
SESSION: 53 **30 AUGUST, 2023**	• Causes and consequences of migration; • Cultural Setting (Paper II): Migration (inter-regional, intra-regional and international) and associated problems; • Transport, Communication and Trade (Paper II): Developments in communication and information technology and their impacts on economy and society; • Reverse Migration • National migrant policy: A good first draft • Cultural Setting (Paper II): Population problems and policies; Health indicators. • Population as social capital • COVID-19 Pandemic • Lesson from China's One child policy • UP Government Draft of two child policy • Rising youth population • Caste census Issues
SESSION: 54 **03 SEPTEMBER, 2023**	**Topical Test: 11**
SESSION: 55 **04 SEPTEMBER, 2023**	• Types and patterns of rural settlements; • Settlements (Paper II): Types, patterns and morphology of rural settlements; • Environmental issues in rural settlements;
SESSION: 56 **05 SEPTEMBER, 2023**	• Hierarchy of urban settlements; • Urban morphology: • Concepts of primate city and rank-size rule; • Functional classification of towns; • Settlements (Paper II): Urban developments; Morphology of Indian cities; Functional classification of Indian cities; • Sphere of urban influence; Rural urban fringe; Satellite towns; • Settlements (Paper II): Conurbations and metropolitan regions; urban sprawl;.

SESSION	TOPICS
SESSION: 57 06 SEPTEMBER, 2023	• Problems and remedies of urbanization; • Settlements (Paper II): Slums and associated problems; town planning; • Settlements (Paper II): Problems of urbanization and remedies. • Sustainable development of cities • Swachh Bharat 2.0 missions for urban areas • Wetland mitras • Roadmap to decongest urban road from Delhi's projects
SESSION: 58 08 SEPTEMBER, 2023	**PYQs Discussion**
SESSION: 59 10 SEPTEMBER, 2023	**Topical Test: 12**
9. REGIONAL DEVELOPMENT AND PLANNING	
SESSION: 60 11 SEPTEMBER, 2023	• Concept of a region; • Types of regions and methods of regionalisation; • Perroux and Boudeville; • Growth centres and growth poles;
SESSION: 61 12 SEPTEMBER, 2023	• Political Aspects (Paper II): State reorganisation; Emergence of new states; Regional consciousness and interstate issues; • Regional Development and Planning (Paper II): Experience of regional planning in India; Five Year Plans; • Regional Development and Planning (Paper II): Multi-level planning; • Regional Development and Planning (Paper II): Panchayati Raj and decentralised planning;
SESSION: 62 13 SEPTEMBER, 2023	• Regional imbalances; • Regional Development and Planning (Paper II): Integrated rural development programmes;

SESSION	TOPICS
	• Regional Development and Planning (Paper II): Command area development; Watershed management; • The problem of ageing dams • Mekedatu project controversy
SESSION: 63 14 SEPTEMBER, 2023	• Regional Development and Planning (Paper II): Planning for backward area, desert, drought prone, hill, tribal area development; • Regional Development and Planning (Paper II): Regional planning and development of island territories. • Contemporary Issues (Paper II): Regional disparities in economic development; • JalJeevan Mission • Sustainable Development of Little Andaman Island • Island Development- Lakshadweep's draft rules • School education system- Performance Grading Index (PGI) • Environmental issues in regional planning; • Planning for sustainable development. • Contemporary Issues (Paper II): Concept of sustainable growth and development; • National climate vulnerability assessment • NITI Aayog's 2020 SDG Index • States performance in education, health and clean energy
SESSION: 64 15 SEPTEMBER, 2023	**PYQs Discussion**
SESSION: 65 17 SEPTEMBER, 2023	**Topical Test: 13**
10. MODELS, THEORIES AND LAWS IN HUMAN GEOGRAPHY	
SESSION: 66 18 SEPTEMBER, 2023	• System analysis in Human Geography; • Central Place theories of Christaller and Losch;

SESSION	TOPICS
	• Von Thunen's model of agricultural location; • Weber's model of industrial location; • Rostov's model of stages of growth.
SESSION: 67 **19 SEPTEMBER, 2023**	• Heart-land and Rimland theories; • Laws of international boundaries and frontiers. • Physical Setting (Paper II): Space relationship of India with neighboring countries;
SESSION: 68 **20 SEPTEMBER, 2023**	• Political Aspects (Paper II): International boundary of India and related issues; • Political Aspects (Paper II): Cross border terrorism; • Political Aspects (Paper II): India's role in world affairs; • Political Aspects (Paper II): Geopolitics of South Asia and Indian Ocean realm. • Indian Ocean Geo-politics • SAGAR • New rules governing power trade across its borders • Quad • Maritime Security • China's claim of south china sea as territorial water
SESSION: 69 **22 SEPTEMBER, 2023**	**PYQs discussion**
12. MISCELLANEOUS ISSUES	
SESSION: 70 **25 SEPTEMBER, 2023**	• Political Aspects (Paper II): Geographical basis of Indian federalism; • Transport, Communication and Trade (Paper II): Indian space programme. • Contemporary Issues (Paper II): Linkage of rivers; • Diversion of River water for developmental projects- Experts flag diversion of fresh water from Brahmani river • River Interlinking, A huge, costly mistake: Ken-Betwa project • River-interlinking, Solution or problem

SESSION	TOPICS
SESSION: 71 01 OCTOBER, 2023	Topical Test: 14
08 OCTOBER, 2023	TEST: HUMAN AND ECONOMIC GEOGRAPHY
AFTER PRELIMS	MOCK TEST - 1 - PAPER - 1
	MOCK TEST - 2 - PAPER - 2
	MOCK TEST - 3 - PAPER - 1
	MOCK TEST - 4 - PAPER - 2

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