GS SCORE
An Institute for Civil Services

IAS 2024

GEOGRAPHY FOUNDATION

- **4.5 Months Comprehensive Programme** to cover complete syllabus of **Geography Optional.**
- **Coverage of Extended Topics, Applied Geography Topics & Map Marking.**
- **Regular Doubt clearing session** with the faculty.
- **Test Series** of **total 12 Tests** including **8 Sectional** & **4 Mock Tests**
- Meticulously designed **Study Materials**



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Mentor:
Siddharth Mittal, Anurag Pathak & Praveen Kumar

GSSCORE

PROGRAMME FEATURES

GEOGRAPHY

- Discussion of Previous Year paper for understanding the changing trends
- Special focus on inculcating geographical thinking among students
- Special Sessions on Map Marking (India)
- Extensive coverage of Applied Geography topics mainly related to Indian Geography
- To enhance answer writing skills, regular answer writing sessions will be conducted.
- Test series for assessment and gradual improvement: 12 tests including 8 sectional and 4 mock tests.
- Regular Doubt clearing session with the faculty.



GS SCORE

WHY GEOGRAPHY OPTIONAL

01 Multidimensional Scientific Humanistic subject Easy for Doctor, Engineer & Arts Background Students

02 Most preferred optional in UPSC Examination

03 Overall it cuts down the time required to complete GS Syllabus

04 It covers 25% Syllabus of GS Mains and 1/3rd of GS Prelims Question usually comes from Geography and Environment

05 Ample scope for fetching good marks through Logical & Diagrammatic Representation

06 Quality study material is easily available

07 At least one topic in Essay Paper is from Geography

GEOGRAPHY

ABOUT FACULTY

In **GS SCORE** the Geography optional classes for UPSC mains is under the guidance of **renowned Geography faculty Siddharth Mittal.** He has extensive teaching experience in UPSC field and has credit of helping number of students to become IAS/IPS/IRS etc. He believes in interactive learning so he regularly interact with the students to clear all their doubts. Overall, the faculty maintain a balanced interaction-based teaching, careful monitoring of progress of students along with personal and detailed guidance for answer writing.



SYLLABUS TO BE COVERED

PAPER - I

PRINCIPLES OF GEOGRAPHY, PHYSICAL GEOGRAPHY

SYLLABUS

1. **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.
2. **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.
3. **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.
4. **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.
5. **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,

SYLLABUS TO BE COVERED

management and conservation; Biodiversity and sustainable development; Environmental policy; Environmental hazards and remedial measures; Environmental education and legislation.

HUMAN GEOGRAPHY

1. **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 secularization; Cultural regions of the world; Human development index.
2. **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: locational patterns and problems; patterns of world trade.
3. **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.
4. **Regional Planning:** Concept of a region; Types of regions and methods of regionalization; Growth centres and growth poles; Regional imbalances; regional development strategies; environmental issues in regional planning; Planning for sustainable development.
5. **Models, Theories and Laws in Human Geography:** Systems 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; Rostov's model of stages of growth.

SYLLABUS TO BE COVERED

PAPER - 2

GEOGRAPHY OF INDIA

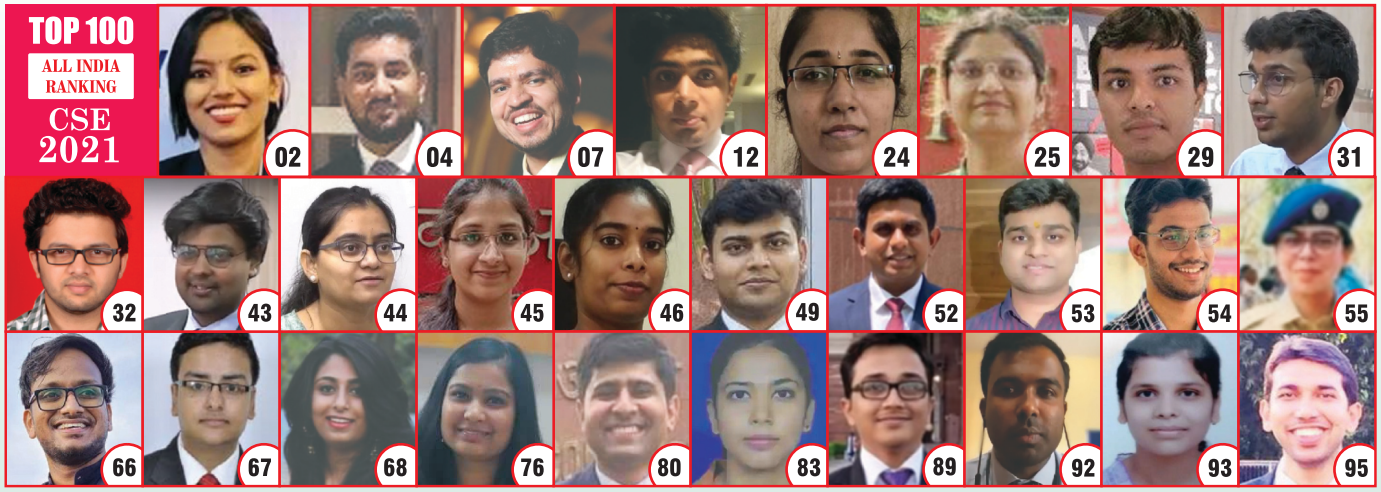
1. **Physical Setting:** Space relationship of India with neighboring countries; Structure and relief; Drainage system and watersheds; Physiographic regions; Mechanism of Indian monsoons and rainfall patterns, Tropical cyclones and western disturbances; Floods and droughts; Climatic regions; Natural vegetation; Soil types and their distributions.
2. **Resources:** Land, surface and ground water, energy, minerals, biotic and marine resources; Forest and wild life resources and their conservation; Energy crisis.
3. **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 regionalization; agro-climatic zones; agro-ecological regions.
4. **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 regionalization; New industrial policies; Multinationals and liberalization; Special Economic Zones; Tourism including eco - tourism.
5. **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.

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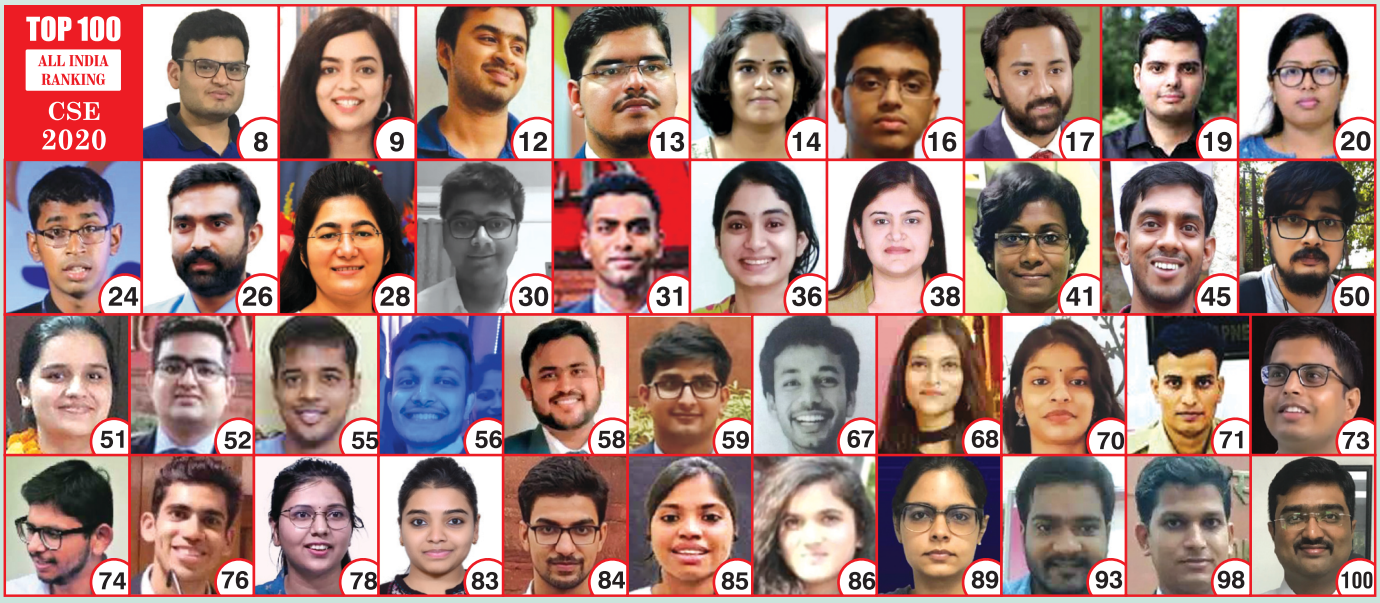
6. **Cultural Setting:** Historical Perspective of Indian Society:Racial, linguistic and ethnic diversities; religious minorities; major tribes, tribal areas and their problems; cultural regions; Growth, distribution and density of population; Demographic attributes: sex-ratio, age structure, literacy rate, work-force, dependency ratio, longevity; migration (inter-regional, intra- regional and international) and associated problems; Population problems and policies; Health indicators.
7. **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.
8. **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.
9. **Political Aspects:** Geographical basis of Indian federalism; State reorganisation; Emergence of new states; Regional conciousness and inter state issues; internatinal boundary of India and related issues; Cross border terrorism; India's role in world affairs; Geopolitics of South Asia and Indian Ocean realm.
10. **Contemporary Issues:** Ecological Issues: Environmental Hazards: landslides, earchquakes, 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 sustianable growth and development; Environmental awareness; Linkage of rivers; Globalisation and Indian economy.

CSE RESULTS

GS SCORE



SUCCESS IS A PRACTICE WE DO!





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