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OPTIONAL TEST SERIES for MAINS 2022

GEOGRAPHY

Indrajeet Bariar

Rau's **Mains Test Series & QIP** for **GEOGRAPHY OPTIONAL** will enable you to practice answer writing & revise the complete syllabus within 2½ Months. We enable you to maximize your marks in Geography Optional. The course includes:

TESTS

- **10 Tests** (8 Sectional + 2 FLT's)
- Course is available in both **Offline & Online**.
- All tests would be released on alternate Saturdays, at 9:30 AM.
- **Last Date of Test submission 1st September**
- Sample answers would be released / available after the tests.
- Evaluated copies will be uploaded in student's e-learn account with in 10/12 days of paper submission.

QIP CLASSES

- All tests will be followed by **Offline / Live Online Discussions** for better concept clarity and enrichment.
- Further, classes will also be conducted to cover evolving Themes important for this year's Mains.
- Class Videos will be available till Mains 2022.

Read, Relate & Write at your own convenient time.

TEST	MAJOR TOPICS	SYLLABUS TO BE COVERED UNDER THE TOPIC
Thematic Test-1 18 June 2022 (Sat)	Paper-I	<ul style="list-style-type: none"> • 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.
Thematic Test-2 25 June 2022 (Sat)	Paper-I	<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 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.

		<ul style="list-style-type: none"> • 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; sealevel changes; law of the sea and marine pollution.
<p>Thematic Test-3 2 July 2022 (Sat)</p>	<p>Paper-II</p>	<ul style="list-style-type: none"> • Physical settings of India: 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. • Transport, Communications 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. • 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. • Mapping
<p>Thematic Test-4 9 July 2022 (Sat)</p>	<p>Paper-I + Paper-II</p>	<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: locational patterns and problems; patterns of world trade. • Resources: Land, surface and ground water, energy, minerals, biotic and marine resources; Forest and wild life resources and their conservation; Energy crisis. • 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>Thematic Test-5 16 July 2022 (Sat)</p>	<p>Paper-I + Paper-II</p>	<ul style="list-style-type: none"> • Population and Settlement: 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. • 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. • Settlement: 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>Thematic Test-6 23 July 2022 (Sat)</p>	<p>Paper-I + Paper-II</p>	<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, apiculture and poultry; agricultural regionalisation; agro-climatic zones; agro- ecological regions. • 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. • Environment 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. • Contemporary Issues: Ecological Issues: Environmental hazards: landslides, earthquakes, 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 sustainable growth and development; Environmental awareness; Linkage of rivers; Globalisation and Indian economy.
<p>Thematic Test-7 30 July 2022 (Sat)</p>	<p>Paper-I + Paper-II</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>Thematic Test-8 6 Aug 2022 (Sat)</p>	<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; 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. Heartland and Rimland theories; Laws of international boundaries and frontiers.</p>
<p>FLT Test - 9 13 Aug 2022 (Sat)</p>	<p>Complete Syllabus PAPER - I</p>	<p>Covering all the Topics of Paper - I</p>
<p>FLT Test - 10 20 Aug 2022 (Sat)</p>	<p>Complete Syllabus PAPER - II</p>	<p>Covering all the Topics of Paper - II</p>

INTERPRETATION OF DIFFERENT "WORDS" USED IN QUESTIONS

1.	Account for	: Give reasons
2.	Account of	: Focus on description
3.	Assess	: Establish the strengths and weaknesses of the features mentioned.
4.	Comment	: Write your view point or description based on your observations.
5.	Compare	: Present the similarities and differences between the features mentioned.
6.	Discuss	: Present a thorough analysis of the question by examining all sides of the arguments.
7.	Distinguish between	: Draw clear distinctions between the features mentioned.
8.	Elucidate	: Clarify/explain probably what is obscure or different.
9.	Evaluate/Critically Evaluate/Review	: Present a judgement as to the relative value of the features mentioned.
10.	Examine/ Critically examine	: State clearly the pros and cons of the issue raised. Your final decision must be supported by evidence and the reasons why you have rejected alternatives explained.
11.	Explain	: Give reasons.
12.	Highlight	: Focus on important features/points
13.	Illustrate	: Focus on examples including the data.
14.	Interpret	: Present an explanation of the facts, Facts are mere inputs and can be comprehended differently. And marks depend on how differently you comprehend.
15.	Role	: Focus on the contribution and conclude with your analytical view point.
16.	Significance/Importance	: Focus on the importance, contribution and consequences with greater focus on positive aspects.
17.	To what extent	: Weigh up the arguments and state the relative importance of the feature mentioned.
18.	Trace	: An outline of what has been asked in the given question with focus on its evolution.