

# Features of Test Series Program Geography Optional – 2020

**Admission open : 15th, June**

Payment link <https://feepal.org/index.php?/Online-Payment/coaching/DirectionIAS>

## **GEOGRAPHY OPTIONAL TEST SERIES AND CONTENT ENRICHMENT PROGRAM**

### **DATE SHEET**

<b>Test – 1 5<sup>th</sup>, July</b>	<b>Characteristics, Configuration &amp; evolution of rocks and landforms (except Applied Geomorphology)</b>	All geomorphology <b>WG</b> ; Physiographic Regions <b>IG</b> , Drainage System <b>IG</b> , Watersheds <b>IG</b> , Relief and Structure <b>IG</b>  <b>Discussion : 8<sup>th</sup>, July</b>
<b>Test – 2 12<sup>th</sup>, July</b>	<b>Map test of Relief Features of India</b>	Mountains, Plateaus, Hills, Passes, Peaks & Islands
<b>Test – 3 19<sup>th</sup>, July</b>	<b>Physical ,Regional Study of Weather/Climate &amp; Oceans (except Applied Climatology, Urban climate, Marine Resources, Coral Bleaching, Marine Pollution)</b>	All Climatology <b>WG</b> , All Oceanography <b>WG</b> ; Mechanism of Indian Monsoons <b>IG</b> , Rainfall Pattern <b>IG</b> , Tropical Cyclones <b>IG</b> , Climatic Regions <b>IG</b> , Western Disturbances <b>IG</b>  <b>Discussion : 22<sup>nd</sup>, July (with Map test 1 discussion)</b>
<b>Test – 4 26<sup>th</sup>, July</b>	<b>Map test of Water bodies of India</b>	<b>Plains, Lakes ,Rivers ,Dams, Multipurpose River Valley Projects &amp; Wetlands</b>
<b>Test – 5 2<sup>nd</sup> August</b>	<b>Fundamentals of Biosphere</b>	Genesis of soil <b>WG</b> , Classification and distribution of soil <b>WG</b> , Soil Profile <b>WG</b> , Factors influencing world distribution of plants & animals <b>WG</b> , Wild life, Gene Pool centres <b>WG</b> ; Ecosystems, Principle of Ecology, Biodiversity <b>WG</b> ; Human Ecological adaptation <b>WG</b> , Marine resources <b>WG</b> ; Natural vegetation, soil types <b>IG</b> , Resources entire <b>IG</b>

		<b>Discussion : 5<sup>th</sup> August (with Map test 2 discussion)</b>
<b>Test –6 9<sup>th</sup> August</b>	<b>Map test of Protected Areas of India</b>	Tiger Reserves, ConR, ComR, Elephant Reserves, Biosphere Reserves, Ramsar Sites & Forest Types
<b>Test –7 16<sup>th</sup> August</b>	<b>Environmental Geography</b> <i>(will include All the Important Conventions &amp; Policies of Environment Mitigation &amp; Adaptation in relevance of GS also)</i>	Applied Geomorphology <b>WG</b> , Applied Climatology <b>WG</b> , Marine Pollution <b>WG</b> , Problems of soil degradation, deforestation, Ecological imbalances and changes <b>WG</b> , Ecosystem Management & Conservation, Sustainable Development, Environment Policy, Environmental hazards, remedial measures <b>WG</b> ; Ecological issues, Environmental hazards, Pollution, Principle of EIA, Soil Erosion, Environmental Degradation, Environmental Policies (Contemporary issues) <b>IG</b>  <b>Discussion : 19<sup>th</sup> August (with Map test 3 discussion)</b>
<b>Test 8 23<sup>rd</sup> August</b>	<b>Map test of Agriculture &amp; Resources of India</b>	Crop regions ,Areas of agricultural problems Irrigation Sources , Energy ,Mineral& Ocean Resources
<b>Test – 9 30<sup>th</sup> August</b>	<b>Reproductive Industries</b>	World Agriculture <b>WG</b> , Types, agricultural input & productivities, food and nutrition problem, Food security, Agricultural location models <b>WG</b> ; All agriculture <b>IG</b> , Food Security <b>IG</b>  <b>Discussion : 2<sup>nd</sup> September (with Map test 4 discussion)</b>
<b>Test – 10 6<sup>th</sup> September</b>	<b>Map test of Industries of India</b>	Industrial regions ,Location of textile, pharmaceuticals ,iron & steel, automobile ,paper , cement , petro chemical industries
<b>Test – 11 13<sup>th</sup> September</b>	<b>Manufacturing Geography</b>	Energy crisis, World Economic development, Measurement and problems, World industries <b>WG</b> ; All Industry <b>IG</b> ; Industrial location models <b>WG</b>  <b>Discussion : 16<sup>th</sup> September (with Map test 5 discussion)</b>
<b>Test – 12 20<sup>th</sup></b>	<b>Map test of Transportation Means</b>	<b>Roadways ,Railways , Waterways ,Civil Aviation ,Pipeline &amp; Sea Ports</b>

<b>September</b>		
<b>SLOT</b>	<b>FOR PRELIMS</b>	<b>PRELIMS BREAK</b>
<b>Test – 13 25<sup>th</sup>, October</b>	<b>Facilitative Industries</b>	Patterns of World Trade <b>WG</b> ; All Trade, Transport & Communication <b>IG</b> <b>Discussion 28<sup>th</sup> October (with Map test 6 discussion)</b>
<b>Test – 14 1<sup>st</sup>, November</b>	<b>Map test of Contemporary Items</b>	Border Areas, Unrest Areas, Town Planning , New Developmental Projects & Areas of Environmental challenges
<b>Test – 15 8<sup>th</sup>, November</b>	<b>Regional and Political Geography</b> <i>(will include all the dynamic part of Human, Physical Geography &amp; Contemporary Geo-politics)</i>	Concept of region <b>WG</b> , Types of regions, methods of regionalization, regional imbalances, Development strategies, Environmental issues in regional planning, Growth Pole concepts, Boudeville Growth model, Heartland Rimland concepts, Laws of International boundaries and frontiers <b>WG</b> ; All regional development & Planning <b>IG</b> , Regional in economic development, Agrarian Industrial unrest <b>IG</b> <b>Discussion 11<sup>th</sup> November (with Map test 7 discussion)</b>
<b>Test – 16 22<sup>nd</sup>, November</b>	<b>Perspectives in Human Geography Population and Settlement</b>	All Geographical Thought <b>WG</b> , System Analysis in Human Geography, All Population and Settlements <b>WG</b> , Malthusian, Marxian, Demographic transition models <b>WG</b> <b>Discussion: 25<sup>th</sup> November</b>
<b>Test – 17 6<sup>th</sup>, December</b>	<b>Cultural Setting and Settlement in India</b>	All cultural setting <b>IG</b> , All settlement <b>IG</b> , Population of explosion and food security, Environmental Awareness <b>IG</b> , Globalization and its impact <b>IG</b> <b>Discussion : 9<sup>th</sup> December</b>
<b>Test – 18</b>	<b>Final 1</b>	Complete Syllabus of Paper-1 (Full length Test)

<b>13<sup>th</sup>, December</b>		<b><i>World Geography</i></b>  <b>Discussion : 16<sup>th</sup> December</b>
<b>Test – 19 20<sup>th</sup>, December</b>	<b>Final 2</b>	Complete Syllabus of Paper-II (Full length Test) <b><i>Indian Geography</i></b>  <b>Discussion : 23<sup>rd</sup> December</b>

- Number of Total Tests – 12+7 = 19
- Number of Mapping – 7
- Number of Discussions – 12 (Test Discussion)
- Number of Pre Test Classes -10
- Number of Study Material Booklets – 10 (Portal Support)
- Discussion Hours – 36
- Flexible Timing & Dates
- Evaluated Answer will be returned in selective lots with Comparative performance, and ranking will be uploaded on the portal to help students judge their relative performances.
- Evaluated Answer will be returned in selective lots with personal feedback by Neetu Singh
- Discussion in class will be on Wednesdays.
- **Test Timing : 9 am - 12 noon , 12.30 - 3.30 pm , 5.00 pm - 8.00 pm (Sunday)\*After lockdown**

<b>Geography Test Series Online Pre Tests Classes (Including Orientation)</b>	
<b><i>Orientation Class</i></b>	<b><i>22<sup>th</sup>, June</i></b>
<b>Pre Test Class 1</b>	<b>30<sup>th</sup>, June</b>
<b>Pre Test Class 2</b>	<b>13<sup>th</sup>, July</b>
<b>Pre Test Class 3</b>	<b>27<sup>th</sup>, July</b>
<b>Pre Test Class 4</b>	<b>10<sup>th</sup>, August</b>
<b>Pre Test Class 5</b>	<b>24<sup>th</sup>, August</b>
<b>Pre Test Class 6</b>	<b>7<sup>th</sup>, September</b>
<b>Pre Test Class 7</b>	<b>19<sup>th</sup>, October</b>
<b>Pre Test Class 8</b>	<b>2<sup>nd</sup>, November</b>
<b>Pre Test Class 9</b>	<b>16<sup>th</sup>, November</b>

## MAP TEST 2020

- 7 scheduled Map tests
- Dedicated to revise all dynamic and static items of syllabus
- Every test will include 35-40 items
- Maximum Marks of test – 90
- Time allowed – 1 hour and 30 minutes

MapTest	Date	Syllabus
1( <b>Test 2</b> )	12 <sup>th</sup> , July	<b>Relief Features of India</b> Mountains, hills, plateaus , islands, passes, peaks
2 ( <b>Test 4</b> )	26 <sup>th</sup> , July	<b>Water bodies of India</b> Plains, Lakes ,Rivers ,Dams, Multipurpose River Valley Projects, creeks, wetlands
3( <b>Test 6</b> )	9 <sup>th</sup> , August	<b>Protected Areas of India</b> New sites of NGT Action GI Tag, Environmental agitation, Tiger Reserves, ConR, ComR, Elephant Reserves, Biosphere Reserves, Ramsar Sites & Forest Types
4( <b>Test 8</b> )	23 <sup>rd</sup> , August	<b>Agriculture &amp; Resources of India</b> Crop regions ,Areas of agricultural problems Irrigation Sources , Energy ,Mineral& Ocean Resources
5( <b>Test 10</b> )	6 <sup>th</sup> , September	<b>Industries of India</b> Industrial regions ,Location of textile, pharmaceuticals ,iron &steel, automobile ,paper , cement , petro chemical industries, Power plants
6( <b>Test 12</b> )	20 <sup>th</sup> , September	<b>Transportation Means</b> Roadways ,Railways , Waterways ,Civil Aviation ,Pipeline & Sea Ports
7( <b>Test 14</b> )	1 <sup>st</sup> , November	<b>Contemporary Items</b> Border Areas, Unrest Areas, Town Planning , New Developmental Projects & Areas of Environmental challenges

### DETAILED SYLLABUS FOR THE SCHEDULED TESTS

## World Geography (WG) & Indian Geography (IG) (WG) Paper - I / (IG) Paper - II

#### Test – 1 Characteristics, Configuration & evolution of rocks and landforms

- Factors controlling landform development (WG)
- Endogenetic and exogenetic forces (WG)
- Origin and evolution of the earth's crust (WG)
- Fundamentals of geomagnetism (WG)
- Physical conditions of the earth's interior (WG)

- Geosynclines (**WG**)
- Continental drift (**WG**)
- Isostasy; Plate tectonics (**WG**)
- Recent views on mountain building (**WG**)
- Vulcanicity; Earthquakes and Tsunamis (**WG**)
- Concepts of geomorphic cycles and Landscape development (**WG**)
- Denudation chronology (**WG**)
- Channel morphology (**WG**)
- Erosion surfaces; Slope development (**WG**)
- Structure and relief of India (**IG**)
- Drainage systems and watersheds (**IG**)
- Physiographic regions of India (**IG**)

### **Test - 3 Physical ,Regional Study of Weather/Climate& Oceans**

- Temperature and pressure belts of the world (**WG**)
- Heat budget of the earth (**WG**)
- Atmospheric circulation (**WG**)
- Atmospheric stability and instability (**WG**)
- Planetary and local winds (**WG**)
- Monsoons and jet streams (**WG**)
- Air masses and frontal genesis (**WG**)
- Temperate and tropical cyclones (**WG**)
- Types and distribution of precipitation (**WG**)
- Weather and Climate (**WG**)
- Koppen's, Thornthwaite's and Trewartha's classification of world climates (**WG**)
- Hydrological cycle (**WG**)
- Mechanism of monsoons and rainfall patterns of India (**IG**)
- Tropical cyclones and Western Disturbances of India (**IG**)
- Floods and Droughts of India (**IG**)
- Climatic Regions of India (**IG**)
- Bottom topography of the Atlantic, Indian and Pacific Oceans (**WG**)
- Temperature and salinity of the oceans (**WG**)
- Heat and salt budgets (**WG**)
- Ocean deposits (**WG**)
- Waves, currents and tides (**WG**)
- Laws of the sea (**WG**)

### **Test -5 Fundamentals of Biosphere**

- Genesis of soils (**WG**)
- Classification and distribution of soils (**WG**)
- Soil profile (**WG**)

- Soil erosion (**WG**)
- Degradation and conservation (**WG**)
- Factors influencing world distribution of plants and animals (**WG**)
- Problems of deforestation and conservation measures (**WG**)
- Social forestry; agro-forestry (**WG**)
- Wild life (**WG**)
- Major gene pool centres (**WG**)
- Principle of ecology (**WG**)
- Human ecological adaptations (**WG**)
- Influence of man on ecology and environment (**WG**)
- Natural vegetation (**IG**)
- Soil types and their distributions (**IG**)
- Land, surface and ground water, energy, minerals, biotic and marine resources (**IG**)
- Forest and wild life resources and their conservation (**IG**)
- Energy crisis (**IG**)

### **Test - 7 Environmental Geography**

- Applied Geomorphology (**WG**)
- Geo hydrology (**WG**)
- Economic geology and environment (**WG**)
- Global climatic change and role and response of man in climatic changes (**WG**)
- Applied climatology and Urban climate (**WG**)
- Marine resources: biotic, mineral and energy resources (**WG**)
- Coral bleaching (**WG**)
- Sea-level changes (**WG**)
- Marine pollution (**WG**)
- Global and regional ecological changes and imbalances (**WG**)
- Ecosystem their management and conservation (**WG**)
- Environmental degradation, management and conservation (**WG**)
- Biodiversity and sustainable development (**WG**)
- Environmental policy (**WG**)
- Environmental hazards and remedial measures (**WG**)
- Environmental education and legislation (**WG**)
- Ecological issues (**IG**)
- Environmental hazards (**IG**)
- Landslides, earthquakes, Tsunamis, floods and droughts, epidemics (**IG**)
- Issues relating to environmental pollution (**IG**)
- Changes in patterns of land use(**IG**)
- Principles of environmental impact assessment and environmental management (**IG**)
- Environmental degradation; Deforestation, desertification and soil erosion (**IG**)

### **Test - 9 Reproductive Industries**

- World agriculture (WG)
- Typology of agricultural regions (WG)
- Agricultural inputs and productivity (WG)
- Food and nutrition problems (WG)
- Food security (WG)
- Famine: causes, effects and remedies (WG)
- Von Thunen's model of agricultural location (WG)
- Infrastructure: irrigation, seeds, fertilizers, power (IG)
- Institutional factors: land holdings, land tenure and land reforms (IG)
- Cropping pattern, agricultural productivity, agricultural intensity (IG)
- Crop combination, land capability (IG)
- Agro and social-forestry (IG)
- Green revolution and its socio-economic and ecological implications (IG)
- Significance of dry farming (IG)
- Livestock resources and white revolution; aqua-culture; sericulture (IG)
- Apiculture and poultry (IG)
- Agricultural regionalisation (IG)
- Agro-climatic zones (IG)
- Agro-ecological regions (IG)
- Population explosion and food security (IG)

#### **Test - 11 Manufacturing Geography**

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- Energy crisis (WG)
- The limits to growth (WG)
- World industries: Location patterns and problems (WG)
- Weber's model of industrial location (WG)
- Evolution of industries (IG)
- Location factors of cotton, jute, textile, iron and steel, aluminum, fertilizer, paper, chemical and pharmaceutical, automobile, cottage and agro-based industries (IG)
- Industrial houses and complexes including public sector undertakings (IG)
- Industrial regionalization (IG)
- New industrial policies (IG)
- Multinationals and liberalization (IG)
- Special Economic Zones (IG)
- Tourism including eco-tourism (IG)

#### **Test - 13 Facilitative Industries**

- Patterns of world trade (WG)
- Road, railway, waterway (IG)
- Airway and pipeline networks (IG)
- Their complementary roles in regional development (IG)
- Growing importance of ports on national and foreign trade (IG)



- Trade balance **(IG)**
- Trade Policy **(IG)**
- Export processing zones**(IG)**
- Developments in communication and information technology and their impacts on economy and society **(IG)**
- Indian space programme**(IG)**

### **Test - 15 Regional Developments and Planning and Political Aspects**

- Concept of a region **(WG)**
- Types of regions and methods of regionalization **(WG)**
- Growth centres and growth poles **(WG)**
- Regional imbalances **(WG)**
- Regional development strategies **(WG)**
- Environmental issues in regional planning **(WG)**
- Planning for sustainable development **(WG)**
- Perroux and Boudeville Rostov's model of stages of growth **(WG)**
- Experience of regional planning in India **(IG)**
- Five Year Plans; Integrated rural development programmes **(IG)**
- Panchayati Raj and decentralized planning **(IG)**
- Command area development **(IG)**
- Watershed management **(IG)**
- Planning for backward area, desert drought prone, hill, tribal area development **(IG)**
- Multi-level planning **(IG)**
- Regional planning and development of island territories **(IG)**
- Problems of agrarian and industrial unrest **(IG)**
- Regional disparities in economic development **(IG)**
- Concept of sustainable growth and development **(IG)**
- Environmental awareness **(IG)**
- Linkage of rivers **(IG)**
- Globalization and Indian economy **(IG)**
- Heartland and Rimland theories **(WG)**
- Laws of international boundaries and frontiers **(WG)**
- Geographical basis of Indian federalism **(IG)**
- State re-organization **(IG)**
- Emergence of new states **(IG)**
- Regional consciousness and interstate issues **(IG)**
- international boundary of India and related issues **(IG)**
- Cross border terrorism **(IG)**
- India's role in world affairs **(IG)**
- Geopolitics of South Asia and Indian Ocean realm **(IG)**

## **Test - 16 Perspectives in Human Geography Population and Settlement Geography**

- Areal differentiation **(WG)**
- Regional synthesis **(WG)**
- Dichotomy and dualism **(WG)**
- Environmentalism **(WG)**
- Quantitative revolution and location analysis **(WG)**
- Radical, behavioral, human and welfare approaches **(WG)**
- Languages, religions and secularisation **(WG)**
- Cultural regions of the world **(WG)**
- Human development index **(WG)**
- Systems analysis in Human geography **(WG)**
- Malthusian, Marxian and demographic transition models **(WG)**
- Growth and distribution of world population **(WG)**
- Demographic attributes **(WG)**
- Causes and consequences of migration **(WG)**
- Concepts of over-under-and optimum population **(WG)**
- Population theories **(WG)**
- World population problems and policies **(WG)**
- Social well-being and quality of life **(WG)**
- Population as social capital **(WG)**
- Types and patterns of rural settlements **(WG)**
- Environmental issues in rural settlements **(WG)**
- Hierarchy of urban settlements **(WG)**
- Urban morphology **(WG)**
- Concepts of primate city and rank-size rule **(WG)**
- Functional classification of towns **(WG)**
- Sphere of urban influence **(WG)**
- Rural-urban fringe; Satellite towns **(WG)**
- Problems and remedies of urbanization **(WG)**
- Sustainable development of cities **(WG)**

## **Test - 17 Cultural Setting and Settlements**

- Historical Perspective of Indian Society **(IG)**
- Racial, linguistic and ethnic diversities **(IG)**
- Religious minorities **(IG)**
- Major tribes, tribal areas and their problems **(IG)**
- Cultural regions **(IG)**
- Growth, distribution and density of population **(IG)**
- Demographic attributes **(IG)**
- Sex-ratio, age structure, literacy rate **(IG)**
- Work-force, dependency ratio **(IG)**

- Longevity **(IG)**
- Migration (inter-regional, intra- regional and international) and associated problems **(IG)**
- Population problems and policies **(IG)**
- Health indicators **(IG)**
- Types, patterns and morphology of rural settlements **(IG)**
- Urban development **(IG)**
- Morphology of Indian cities **(IG)**
- Functional classification of Indian cities **(IG)**
- Conurbations and metropolitan regions **(IG)**
- Urban sprawl **(IG)**
- Slums and associated problems **(IG)**
- Town planning **(IG)**
- Problems of urbanization and remedies **(IG)**

**Note: WG is World Geography (Paper 1) & IG is Indian Geography (Paper 2)**

**TEST - 18** Complete Syllabus of Paper - I (Comprehensive-1) Full Length Test **(WG)**

**TEST - 19** Complete Syllabus of Paper - II (Comprehensive-2) Full Length Test **(IG)**

**NOTE** *Map Question will be with every Test*

**THRUST AREA OF TEST SERIES:** *The program orients towards*

- Writing skill enhancement
- Framing of answer with integration of diagrams
- Rational utilization of given time and space
- Comprehending the key terms of questions
- Integrating the facts and figures in logical manner
- Coherence in writing
- Flexibility in content presentation in absolute requirement of question

**PURPOSE OF TEST SERIES:**

- Help aspirants understand the demand of asked questions in UPSC exam effectively.
- Provide personal feedback (by Neetu Singh Madam) to individual aspirants, to help them enhance their potentials
- Coverage of entire syllabus in logical time.
- Provision of quality improvement classes for enrolled students
- Targeting 2020 MAIN - It will provide aspirants sufficient time and opportunity to increase their potentials.
- ***Comprehensive and coherent approach to be handled by Neetu Singh only to ensure coordination in your preparations.***