

**GUIDANCE IAS**

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Office: 111, 1st Floor, 4-B, Grover Chamber, Pusa Road,
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Geography Optional Schedule October 2018

Basic Physical Geography

Session	Date	Day	Timings	Topics
Climatology 1	09-10-2018	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Introduction to Climatology2. Origin of the Atmosphere3. Structure of the Atmosphere4. Insolation and Heat Budget
Climatology 2	10-10-2018	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Temperature Belts2. Inversion of Temperature3. Pressure Belts
Climatology 3	11-10-2018	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Atmospheric Circulation2. Planetary Winds3. Upper-air Westerlies and Jet Streams
Climatology 4	12-10-2018	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Local Winds2. Atmospheric Stability and Instability3. Atmospheric humidity and its types4. Condensation and its forms
Climatology 5	13-10-2018	Saturday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Clouds and its types2. Types and distribution of precipitation



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Climatology 6	15-10-2018	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Airmasses2. Fronts and its types
Climatology 7	16-10-2018	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Temperate Cyclones2. Tropical Cyclones
Climatology 8	17-10-2018	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Other Atmospheric Disturbances2. Hydrological Cycle
Climatology 9	18-10-2018	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Climatic Classification<ol style="list-style-type: none">i. Koppenii. Thornthwaite
Climatology 10 + Answer Writing 1	19-10-2018	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Climatic Classification<ol style="list-style-type: none">i. Trewartha
			11:00 PM – 1:00 PM	<ol style="list-style-type: none">2. Solving Previous Year Questions of Climatology
Class Test 1	20-10-2018	Saturday	9:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Climatology Test
Geomorphology 1	22-10-2018	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Introduction to Geomorphology2. Geological Time Scale3. Physical Conditions of the earth's interior
Geomorphology 2	23-10-2018	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Continental Drift2. Post Drift Studies3. Plate Tectonics Theory
Geomorphology 3	24-10-2018	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Volcanism

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				2. Earthquakes
Geomorphology 4	25-10-2018	Thursday	8:00 AM – 10:30 AM	1. Tsunami 2. Isostasy 3. Geosynclines
Geomorphology 5	26-10-2018	Friday	8:00 AM – 10:30 AM	1. Recent views on Mountain Building 2. Origin & Evolution of Earth's crust
Answer Writing 2	14-10-2018	Saturday	8:00 AM – 10:30 AM	1. Basics of Answer Writing
Oceanography 1	29-10-2018	Monday	8:00 AM – 10:30 AM	1. Introduction to Oceanography 2. Bottom Topography of the Oceans
Oceanography 2	30-10-2018	Tuesday	8:00 AM – 10:30 AM	1. Bottom Topography of Atlantic Indian and Pacific Oceans
Oceanography 3	31-10-2018	Wednesday	8:00 AM – 10:30 AM	1. Surface Ocean Currents 2. Surface Ocean Currents of Atlantic Indian and Pacific Oceans
Oceanography 4	01-11-2018	Thursday	8:00 AM – 10:30 AM	1. Temperature of the Oceans + Heat Budget 2. Salinity of the Oceans + Salt Budget
Oceanography 5	02-11-2018	Friday	8:00 AM – 10:30 AM	1. Watermasses and Thermohaline Circulations 2. Oceanic Waves
Oceanography 6	03-11-2018	Saturday	8:00 AM – 10:30 AM	1. Tides 2. Ocean Deposits

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Oceanography 7	05-11-2018	Sunday	8:00 AM – 10:30 AM	1. Marine resources: biotic, mineral and energy resources 2. Coral reefs
Biogeography 1	06-11-2018	Monday	8:00 AM – 10:30 AM	1. Genesis of soils; 2. Classification and distribution of soils; 3. Soil profile
Physical Setting 1	06-11-2018	Tuesday	8:00 AM – 10:30 AM	1. Space relationship of India with neighbouring countries 2. Structure and relief
Physical Setting 2	07-11-2018	Wednesday	8:00 AM – 10:30 AM	1. Structure and relief
Physical Setting 3	08-11-2018	Thursday	8:00 AM – 10:30 AM	1. Structure and relief
Physical Setting 4	09-11-2018	Friday	8:00 AM – 10:30 AM	1. Mechanism of Indian monsoons and rainfall patterns 2. Tropical cyclones and western disturbances
Physical Setting 5 (Long Class)	10-11-2018	Saturday	8:00 AM – 12:00 PM	1. Climatic regions 2. Natural vegetation; 3. Soil types and their distributions
Class Test 2	25-11-2018	Sunday	9:00 AM – 12:00 PM	1. Basic Physical Geography Test

Human Geography I

Session	Date	Day	Timings	Topics
Perspectives in Human Geography 1	12-11-2018	Monday	8:00 AM – 10:30 AM	1. Introduction to Human Geography 2. Development of Geographical Thoughts
Perspectives in Human Geography 2	13-11-2018	Tuesday	8:00 AM – 10:30 AM	1. Development of Geographical Thoughts 2. Dichotomy and dualism
Perspectives in Human Geography 3	14-11-2018	Wednesday	8:00 AM – 10:30 AM	1. Dichotomy and dualism



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Perspectives in Human Geography 4	15-11-2018	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Areal differentiation2. regional synthesis
Perspectives in Human Geography 5	16-11-2018	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Quantitative revolution and locational analysis2. System Analysis
Perspectives in Human Geography 6	17-11-2018	Saturday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Behavioural Approach
Perspectives in Human Geography 7	19-11-2018	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Humanistic Approach
Perspectives in Human Geography 8	20-11-2018	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">2. Radical Approach3. Welfare Approach
Perspectives in Human Geography 9	21-11-2018	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Environmentalism2. Cultural regions of the world
Perspectives in Human Geography 10	22-11-2018	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Languages, religions and secularisation
Population Geography + Cultural Setting 1	23-11-2018	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Malthusian Population Model2. Marxian Population Theory
Population Geography + Cultural Setting 2	24-11-2018	Saturday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Demographic transition model
Population Geography + Cultural Setting 3	26-11-2018	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Population theories2. Concepts of over-under-and optimum population
Population Geography + Cultural Setting 4	27-11-2018	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Demographic attributes: India and World (Growth, distribution and density of population)
Population Geography + Cultural Setting 5	28-11-2018	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Demographic attributes: India and World (sex-ratio, literacy rate and age structure)
Population Geography + Cultural Setting 6	29-11-2018	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Demographic attributes: India and World (work-force, dependency ratio, longevity)
Population Geography + Cultural Setting 7	30-11-2018	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Causes and consequences of migration2. migration (inter-regional, intra- regional and international) and associated problems



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Population Geography + Cultural Setting 8	01-12-2018	Saturday	8:00 AM – 10:30 AM	1. Historical Perspective of Indian Society; Racial, linguistic and ethnic diversities
Population Geography + Cultural Setting 9	02-12-2018	Sunday	8:00 AM – 10:30 AM	1. religious minorities; 2. major tribes, tribal areas and their problems
Population Geography + Cultural Setting 10	03-12-2018	Monday	8:00 AM – 10:30 AM	1. Cultural regions of the India 2. Health indicators
Population Geography + Cultural Setting 11	04-12-2018	Tuesday	8:00 AM – 10:30 AM	1. Population problems and policies 2. Social well-being and quality of life; 3. Population as social capital
Settlement I + II 1	05-12-2018	Wednesday	8:00 AM – 10:30 AM	1. Types, patterns and morphology of rural settlements 2. Environmental issues in rural settlements
Settlement I + II 2	06-12-2018	Thursday	8:00 AM – 10:30 AM	1. Hierarchy of urban settlements 2. Concepts of primate city and rank-size rule
Settlement I + II 3	07-12-2018	Friday	8:00 AM – 10:30 AM	1. Central Place theories of Christaller and Losch
Settlement I + II 4	08-12-2018	Saturday	8:00 AM – 10:30 AM	1. Urban morphology 2. Morphology of Indian cities
Settlement I + II 5	09-12-2018	Sunday	8:00 AM – 10:30 AM	1. Functional classification of towns 2. Functional classification of Indian cities 3. Sphere of urban influence
Settlement I + II 6	10-12-2018	Monday	8:00 AM – 10:30 AM	1. Urban developments 2. Rural urban fringe 3. Urban Sprawl
Settlement I + II 7	11-12-2018	Tuesday	8:00 AM – 10:30 AM	1. Satellite Towns 2. Slums and associated problems; 3. Problems of urbanization and remedies
Settlement I + II 8	12-12-2018	Wednesday	8:00 AM – 10:30 AM	1. Town planning; 2. Sustainable development of cities
Class Test 3	01-01-2019	Monday	8:00 AM – 11:00 AM	1. Human Geography Test

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Advanced Physical Geography

Session	Date	Day	Timings	Topics
Geomorphology 6	21-12-2018	Friday	8:00 AM – 10:30 AM	1. Endogenetic forces & Landforms 2. Weathering
Geomorphology 7	22-12-2018	Saturday	8:00 AM – 10:30 AM	1. Mass wasting 2. Slope development
Geomorphology 8	23-12-2018	Sunday	8:00 AM – 10:30 AM	3. Slope development 4. Concept of Geomorphic cycle
Geomorphology 9	24-12-2018	Monday	8:00 AM – 10:30 AM	1. Concept of geomorphic cycle & landform development
Geomorphology 10	25-12-2018	Tuesday	8:00 AM – 10:30 AM	1. Concept of geomorphic cycle & landform development
Geomorphology 11	26-12-2018	Wednesday	8:00 AM – 10:30 AM	1. Fluvial Processes & Landforms
Geomorphology 12	27-12-2018	Thursday	8:00 AM – 10:30 AM	1. Channel Morphology
Geomorphology 13	28-12-2018	Friday	8:00 AM – 10:30 AM	1. Arid cycle & Landforms 2. Karst cycle and landforms
Geomorphology 14	29-12-2018	Saturday	8:00 AM – 10:30 AM	1. Karst cycle & landforms 2. coastal cycle & Landforms
Geomorphology 15	30-12-2018	Sunday	8:00 AM – 10:30 AM	1. Glacial cycle & landforms 2. Periglacial cycles & landforms
Geomorphology 16	02-01-2019	Wednesday	8:00 AM – 10:30 AM	1. Erosion surfaces 2. denudation Chronology
Geomorphology 17	03-01-2019	Thursday	8:00 AM – 10:30 AM	1. Factors controlling landform evolution
Geomorphology 18	04-01-2019	Friday	8:00 AM – 10:30 AM	1. Applied Geomorphology
Climatology 11	05-01-2019	Saturday	8:00 AM – 10:30 AM	1. Applied Climatology and Urban Climate
Biogeography 2	06-01-2019	Sunday	8:00 AM – 10:30 AM	1. Factors influencing world distribution of P & A
Biogeography 3	07-01-2019	Monday	8:00 AM – 10:30 AM	1. Biomes
Biogeography 4	08-01-2019	Tuesday	8:00 AM – 10:30 AM	1. Biomes
Biogeography 5	09-01-2019	Wednesday	8:00 AM – 10:30 AM	1. Factors influencing formation of Biotic Regions
Biogeography 6	10-01-2019	Thursday	8:00 AM – 10:30 AM	1. Floristic Regions



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Biogeography 7	11-01-2019	Friday	8:00 AM – 10:30 AM	1. Faunistic Regions
Environment Geography 1	12-01-2019	Saturday	8:00 AM – 10:30 AM	1. Principles of ecology
Environment Geography 2	13-01-2019	Sunday	8:00 AM – 10:30 AM	1. Human ecological adaptations 2. Influence of man on ecology and environment
Environment Geography 3	14-01-2019	Monday	8:00 AM – 10:30 AM	1. Global and regional ecological changes and imbalances 2. Global climatic change and role and response of man in climatic changes
Environment Geography 4	15-01-2019	Tuesday	8:00 AM – 10:30 AM	1. Global climatic change and role and response of man in climatic changes
Environment Geography 5	16-01-2019	Wednesday	8:00 AM – 10:30 AM	1. Problems of deforestation and conservation measures 2. Wild Life 3. Major Gene pool resources
Environment Geography 6	17-01-2019	Thursday	8:00 AM – 10:30 AM	1. Coral bleaching 2. Sea-level changes 3. law of the sea and marine pollution
Environment Geography 7	18-01-2019	Friday	8:00 AM – 10:30 AM	1. Ecosystem their management and conservation 2. Environmental degradation, management and conservation 3. Principles of environmental impact assessment and environmental management 4. Biodiversity and sustainable development
Environment Geography 8	19-01-2019	Saturday	8:00 AM – 10:30 AM	1. Environmental hazards and remedial measures 2. Environmental education and legislation
Contemporary Issues 1	21-01-2019	Monday	8:00 AM – 10:30 AM	1. Environmental Hazards and Disasters 2. Floods
Contemporary Issues 2	22-01-2019	Tuesday	8:00 AM – 10:30 AM	1. Droughts 2. Landslides 3. Earthquakes 4. Tsunamis

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Contemporary Issues 3	23-01-2019	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Epidemics2. Disaster Management3. Issues relating to environmental pollution
Class Test 4	27-01-2019	Sunday	9:00 AM – 12:00 AM	<ol style="list-style-type: none">1. Advanced Physical Geography Test

Human Geography II

Session	Date	Day	Timings	Topics
Economic Geography 1	24-01-2019	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. World economic development: measurement and problems2. Human Development Index
Economic Geography 2	25-01-2019	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Food and nutrition problems2. Food security3. Famine: causes, effects and remedies
Resources 1	28-01-2019	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Concept of resources and resource management2. Land Resource + Changes in patterns of land use3. Surface and ground water + Linkage of rivers
Resources 2	29-01-2019	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Energy resources2. Energy crisis
Resources 3	30-01-2019	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Mineral Resources2. Biotic and marine resources; Forest and wild life resources and their conservation
Agriculture 1	31-01-2019	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Infrastructure: irrigation, seeds
Agriculture 2	01-02-2019	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Infrastructure: Fertilizers, power2. Institutional factors: land holdings, land tenure and land reforms



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Agriculture 3	02-02-2019	Saturday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Green revolution and its socio-economic and ecological implications2. Significance of dry farming
Agriculture 4	03-02-2019	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Livestock resources and white revolution2. Aqua - culture3. Sericulture, apiculture and poultry
Agriculture 5	04-02-2019	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Von Thunen Model of Agricultural Location2. Agricultural productivity and agricultural intensity3. Land capability
Agriculture 6	05-02-2019	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Cropping Pattern2. Crop combination3. Agricultural regionalisation
Agriculture 7	06-02-2019	Thursday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. World agriculture: typology of agricultural regions2. Agro-climatic zones3. Agro- ecological regions4. Agrarian Crisis
Industry 1	07-02-2019	Friday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. World industries: locational patterns and problems2. Weber's model of industrial location
Industry 2	08-02-2019	Saturday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Locational factors of cotton, jute, textile, iron and steel, aluminium industries
Industry 3	09-02-2019	Monday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Locational factors of fertilizer, paper, chemical and pharmaceutical, automobile, cottage and agro-based industries
Industry 4	10-02-2019	Tuesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. Industrial houses and complexes including public sector undertakings2. Industrial regionalisation3. Special Economic Zones4. Tourism including eco-tourism5. Industrial Crisis
Industry 5	11-02-2019	Wednesday	8:00 AM – 10:30 AM	<ol style="list-style-type: none">1. New industrial policies



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Transport, Communication and Trade 1	12-02-2019	Thursday	8:00 AM – 10:30 AM	2. Multinationals and liberalization
Transport, Communication and Trade 2	13-02-2019	Friday	8:00 AM – 10:30 AM	1. Road, railway, waterway networks and their complementary roles in regional development;
Transport, Communication and Trade 3	14-02-2019	Saturday	8:00 AM – 10:30 AM	1. Airway and pipeline networks and their complementary roles in regional development 2. Growing importance of ports on national and foreign trade
				1. Trade balance and Trade Policy 2. Export processing zones 3. Developments in communication and information technology and their impacts on economy and society 4. Indian space programme
Regional Planning and Development 1	15-02-2019	Sunday	8:00 AM – 11:30 PM	1. Concept of a region 2. Types of regions and methods of regionalisation 3. Growth centres and growth poles + Perroux and Boudeville
Regional Planning and Development 2	16-02-2019	Monday	8:00 AM – 11:30 PM	1. Regional imbalances 2. Regional development strategies 3. Environmental issues in regional planning 4. Planning for sustainable development
Regional Planning and Development 3	17-02-2019	Tuesday	8:00 AM – 11:30 PM	1. Experience of regional planning in India 2. Five Year Plans 3. Integrated rural development programmes 4. Panchayati Raj and decentralised planning 5. Multi-level planning
Regional Planning and Development 4	18-02-2019	Wednesday	8:00 AM – 11:30 PM	1. Command area development 2. Watershed management 3. Planning for backward area, 4. Desert area development



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Regional Planning and Development 5	19-02-2019	Thursday	8:00 AM – 11:30 PM	<ol style="list-style-type: none">1. Drought prone, hill, tribal area development2. Regional planning and development of island territories
Political Aspects 1	20-02-2019	Friday	8:00 AM – 11:30 PM	<ol style="list-style-type: none">1. Heartland and Rimland theories2. Laws of international boundaries and frontiers3. International boundary of India and related issues4. India's role in world affairs5. Geopolitics of South Asia and Indian Ocean realm
Political Aspects 2	21-02-2019	Saturday	8:00 AM – 11:30 PM	<ol style="list-style-type: none">1. Cross border terrorism2. Geographical basis of Indian federalism3. State reorganisation4. Emergence of new states5. Regional consciousness and inter-state issues
Class Test 5	03-03-2019	Sunday	09:00AM – 12:00 PM	<ol style="list-style-type: none">1. Human Geography Test