

OPTIONAL GEO FINAL

SL No.	DATE	TOPIC
1	16.08.21	Structure of the earth's interior, Nature and composition of earth's crust
2	18.08.21	Theories of isostasy continental drift, and plate tectonics
3	20.08.21	Earth movements – types and effects; Fundamental concepts in geomorphology
4	23.08.21	Gradational processes – weathering and mass wasting
5	25.08.21	Landforms are due to fluvial. glacial. aeolian, coastal and karst processes
6	27.08.21	Evolution of landscape – cyclic and non-cyclic models
7	30.08.21	Global hydrological cycle
8	01.09.21	Atmosphere – nature, composition and structure, Elements and factors of weather and climate
9	03.09.21	Climatic classification – principles and application (Koppen, Thorntwaite, Trewartha)
10	06.09.21	Insolation and Heat-budget
11	08.09.21	Condensation and Precipitation, Jet Streams and Monsoons
12	10.09.21	Airmass and fronts, Tropical and Extra-tropical cyclones, Thunderstorm and tornado
13	13.09.21	Global climatic changes
14	15.09.21	Bottom topography of ocean basins: Indian, Pacific & Atlantic Oceans
15	17.09.21	Physical and Chemical properties of ocean water: temperature, salinity and density
16	20.09.21	Ocean Deposits, Marine Resources
17	22.09.21	Ocean currents: Indian, Pacific and Atlantic oceans
18	24.09.21	Nature, origin and characteristics of continental shelves and slopes, submarine canyons and coral reefs and atolls
19	27.09.21	TS Diagram and Watermass
20	29.09.21	MISC
21	01.10.21	Concepts relating to Ecosystem – production and decomposition, homeostasis, energy environment, productivity, food chain, food web, trophic structure, ecological niche, ecological pyramids
22	04.10.21	Major Ecosystems of the world
23	06.10.21	Environmental pollution – land, water, air and noise, Environmental degradation and conservation
24	08.10.21	Components, Bio-energy Cycles and Biogeochemical cycles

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25	20.10.21	Natural hazards and natural disaster characteristics, mitigation and global efforts.
26	22.10.21	MISC
27	25.10.21	INDIA: Location and space relationship with neighbouring countries: structure and Relief
28	27.10.21	Climate and Drainage, Soil and Natural Vegetation
29	29.10.21	Water Disputes interstate and neighbouring countries
30	01.11.21	Distribution, utilization and Conservation of Land (soil), Water (freshwater)
31	03.11.21	Energy (coal, oil, natural gas, and Non – Conventional sources like wind, tidal and solar power) and Biotic Resources
32	05.11.21	MISC
33	08.11.21	Indian agriculture – nature and characteristics, Development of Agriculture during the Plan periods, Green Revolution; Distribution and characteristics of cultivation of rice, wheat, jute cotton, tea, and coffee
34	10.11.21	Indian agriculture – nature and characteristics, Development of Agriculture during the Plan periods, Green Revolution; Distribution and characteristics of cultivation of rice, wheat, jute cotton, tea, and coffee
35	12.11.21	Locational Dynamics, Growth and Development of the Iron & Steel, Aluminum, Engineering, Oil Refining, Cotton Textile, Jute, Sugar, Paper, cement and automobile industries
36	15.11.21	Growth and Development of Transport and Communication System (Road, Rail, Water, and Air)
37	17.11.21	Agricultural Regions, Industrial development and industrial policy during the Plan Period
38	19.11.21	Nature and Development of Trade – national and foreign specialists with the SARC and ASEAN countries
39	22.11.21	The population as a Resource, The relation between Population and Socioeconomic Development
40	24.11.21	Population Growth – spatial and temporal variations
41	26.11.21	Population Problems and Population Policy during the Plan periods
42	29.11.21	Population Distribution and population – resource relationships
43	01.12.21	Population Composition and social implications age, sex, literacy, religion, and caste;
44	03.12.21	Urban Growth and Urbanization – characteristics and patterns, factors and processes
45	06.12.21	MISC
46	08.12.21	Economic models – landuse (Von Thunen), industry (Weber, Hoover, Pred)
47	10.12.21	Economic systems and economic landscape – characteristics and evolution (Rostow, Myrdal, and Isard).

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48	13.12.21	Locational analysis of agriculture (intensive subsistence in monsoon lands, extensive commercial farming in temperate lands, plantation farming in the tropics and dairy farming in the temperate grasslands), lumbering, fishing, mining (coal, petroleum and iron ore), power production (hydel and nuclear) and manufacturing (iron & steel, aluminium, and cotton textile);
49	15.12.21	Locational analysis of agriculture (intensive subsistence in monsoon lands, extensive commercial farming in temperate lands, plantation farming in the tropics and dairy farming in the temperate grasslands), lumbering, fishing, mining (coal, petroleum and iron ore), power production (hydel and nuclear) and manufacturing (iron & steel, aluminium, and cotton textile);
50	17.12.21	MISC
51	20.12.21	Heartland and Rimland theories
52	22.12.21	Principles of boundaries and frontiers
53	24.12.21	Social structure: stratification and differentiation; Social Processes
54	27.12.21	MISC
55	29.12.21	Function, morphology, types and patterns of rural settlements
56	31.12.21	Classification, functions, and morphology of towns and cities
57	03.01.22	The Central Place Theory and the Ranksize rule, The Urban field and inter-urban movement
58	05.01.22	Models of urban growth – Burgess, Hoyt, Harris and Ullman, Mann
59	07.01.22	MISC
60	10.01.22	Regions – concepts, types and methods of regionalization
61	12.01.22	REGIONAL PLANNING
62	14.01.22	REGIONAL PLANNING
63	17.01.22	REGIONAL PLANNING
64	19.01.22	REGIONAL PLANNING
65	21.01.22	REGIONAL PLANNING
66	24.01.22	MISC
67	28.1.22	WEST BENGAL GEOGRAPHY
68	31.1.22	WEST BENGAL GEOGRAPHY
69	2.2.22	WEST BENGAL GEOGRAPHY
70	4.2.22	WEST BENGAL GEOGRAPHY
71	7.2.22	WEST BENGAL GEOGRAPHY
72	9.2.22	WEST BENGAL GEOGRAPHY
73	11.2.22	MISC
74	14.2.22	MISC
75	16.2.22	MISC
		TOTAL = 150 HOURS