



4		2. Endogenetic Forces	
	Geomorphology 7	1. Exogenetic Forces and Gradation 2. Weathering 3. Mass Wasting	
	Geomorphology 8	1. Slope Development	
	Geomorphology 9	1. Fluvial Processes and Landforms 2. Concepts of Geomorphic cycles & Landform Development a. Davis b. Penck	
	Geomorphology 10	1. Concepts of Geomorphic cycles & Landform Development a. King b. Non Cyclic view (JT Hack) 2. Channel Morphology	
	Map Class 4	1. Waterfalls 2. Multi-purpose Projects 3. Islands, coasts and other coastal features including beaches	
5	Geomorphology 11	1. Karst Processes & Cycle 2. Arid Processes & Cycle 3. Coastal Processes & Cycle	
	Geomorphology 12	1. Glacial Processes & Cycle 2. Erosion Surfaces	
	Geomorphology 13	1. Denudation chronology 2. Geohydrology 3. Economic geology & Environment	
	Geomorphology 14	1. Applied Geomorphology	
	Map Class 5	1. National Highways 2. National Waterways 3. Ports 4. Pipelines	

6	Oceanography 1	<ol style="list-style-type: none"> 1. Introduction to Oceanography 2. Bottom Topography of the Oceans 	
	Oceanography 2	<ol style="list-style-type: none"> 1. Bottom Topography of Atlantic Indian and Pacific Oceans 2. Surface Ocean Currents 	
	Oceanography 3	<ol style="list-style-type: none"> 1. Surface Ocean Currents of Atlantic Indian and Pacific Oceans 2. Temperature of the Oceans + Heat Budget 	
	Oceanography 4	<ol style="list-style-type: none"> 1. Salinity of the Oceans + Heat Budget 2. Watermasses and Thermohaline Circulations 	
	Oceanography 5 (Long Session)	<ol style="list-style-type: none"> 1. Oceanic Waves 2. Tides 3. Ocean Deposits 4. Marine Resource 	
	Oceanography 6 (Long Session)	<ol style="list-style-type: none"> 1. Coral Reefs and Coral Bleaching 2. Sea-level Changes 3. Law of the Sea & Marine Pollution 	
7	Perspectives in Human Geography 1	<ol style="list-style-type: none"> 1. History of Geographical Thought 2. Dichotomy & dualism + Environmentalism 	
	Perspectives in Human Geography 2	<ol style="list-style-type: none"> 1. Areal Differentiation + Regional Synthesis 2. Q.R. + Locational Analysis 	
	Perspectives in Human Geography 3	<ol style="list-style-type: none"> 1. Behavioural Approaches 2. Human Approaches 	
	Perspectives in Human Geography 4	<ol style="list-style-type: none"> 1. Radical and Critical Approaches 2. Welfare Approaches and Post Geographies 	
	Perspectives in	<ol style="list-style-type: none"> 1. System Analysis 	



	Human Geography 5 (Long Session)	2. Religions & Secularisation	
	Perspectives in Human Geography 6 (Long Session)	1. Language 2. Cultural Regions of the World	
8	Biogeography 1	1. Genesis of Soils 2. Soil Profile 3. Classification 4. Distribution of Soils	
	Biogeography 2	1. Distribution of Soils (cont.) 2. Soil Erosion, Degradation & Conservation 3. Factors Influencing World Distributions of Plants & Animals	
	Biogeography 3	1. Factors Influencing World Distributions of Plants & Animals (cont.) 2. Biomes of the world	
	Biogeography 4	1. Biomes of the world (cont.) 2. Floristic Regions 3. Faunistic Regions and Wildlife 4. Biotic Regions	
	Biogeography 5	1. Major Gene Pool Centres 2. Deforestation	
	Map Class 6	1. Biosphere Reserves, Tiger Reserves, National Parks, Wildlife and Bird Sanctuaries 2. Mining Centres 3. Thermal Power Plants, Nuclear Reactors, and Renewable Energy	
	Environmental Geography 1	1. Principle of Ecology	
	Environmental	1. Human Ecological Adaptations	



9	Geography 2	2. Influence of man on Ecology & Environment	
	Environmental Geography 3	1. Global & Regional Ecological Changes & Imbalances 2. Environmental Degradation, Management & Conservation	
	Environmental Geography 4	1. Ecosystem their management & Conservation 2. Biodiversity & Sustainable Development 3. Environmental Hazard & remedial Measures	
	Environmental Geography 5	1. Environmental Policy 2. Environmental Education & Legislation	
	Map Class 7	1. Industrial Cities 2. Religious Places 3. Other important cities	
10	Physical Settings 1	1. Indian Peninsula: Evolution, Structure & Relief	
	Physical Settings 2	1. Himalayas: Evolution, Structure & Relief	
	Physical Settings 3	1. Indogangetic Plains: Evolution, Structure & Relief 2. Islands of India	
	Physical Settings 4	1. Indian Monsoon	
	Physical Settings 5 (Long Session)	1. Western Disturbances 2. Rainfall Patterns 3. Floods 4. Droughts 5. Climatic regions	
	Physical Settings 6 (Long Session)	1. Soil types & their Distributions 2. Natural Vegetation	



			<ol style="list-style-type: none"> 3. Forest & Wildlife Resources & their Conservation 4. Biotic Resources 5. Physiographic Regions 	
11	Population + Cultural Setting 1		<ol style="list-style-type: none"> 1. Introduction to Population Geography 2. Population Theories 3. Malthus 	
	Population + Cultural Setting 2		<ol style="list-style-type: none"> 1. Marx 2. Demographic Transition Theory 3. Concept of over, under & optimum population 	
	Population + Cultural Setting 3		<ol style="list-style-type: none"> 1. Causes & Consequences of Migration with special reference to migration theories 2. Migration & associated Problems 	
	Population + Cultural Setting 4		<ol style="list-style-type: none"> 1. Growth & Distribution of World Population 2. Growth & Distribution & Density of Indian Population 3. Demographic Attributes: Sex-ratio 	
	Population + Cultural Setting 5		<ol style="list-style-type: none"> 1. Demographic Attributes: Age structure, Literacy, Work force, Depending ratio, Longevity and Health Indicators 	
	Population + Cultural Setting 6 (Long Session)		<ol style="list-style-type: none"> 2. Historical Perspective of Indian Society 3. Racial, Linguistic & Ethnic Diversities 4. Religious Minorities 5. Major Tribes, Tribal Areas & their Problems 	
	Population + Cultural Setting 7 (Long Session)		<ol style="list-style-type: none"> 1. Cultural Regions 2. Population Problems & Policies 3. Social well-being & quality of Life 4. Population as Social Capital 	



12	Settlement Geography 1	<ol style="list-style-type: none"> 1. Introduction to Settlement Geography 2. Types, Patterns & morphology of Rural Settlement 3. Environmental Issues in Rural Settlement 4. Hierarchy of Urban Settlements 	
	Settlement Geography 2	<ol style="list-style-type: none"> 1. Central Place Theories of Christaller & Losch 	
	Settlement Geography 3	<ol style="list-style-type: none"> 1. Concept of Primate City & Rank Size Rule 2. Urban Morphology 	
	Settlement Geography 5	<ol style="list-style-type: none"> 1. Urban Developments (India) 2. Sphere of Urban Influence 	
	Settlement Geography 6 (Long Session)	<ol style="list-style-type: none"> 1. Urban Sprawl (I) 2. Rural Urban Fringe 3. Conurbation & Metropolitan Regions 4. Satellite Towns 	
	Settlement Geography 7 (Long Session)	<ol style="list-style-type: none"> 1. Slums & Associated Problems 2. Problems of Urbanisation & Remedies 3. Town Planning 4. Sustainable development of Cities. 	
13	Economic Geography 1	<ol style="list-style-type: none"> 1. Introduction to Economic Geography 2. World Economic Development: Measurement & Problems 3. Human Development Index 	
	Resource 1	<ol style="list-style-type: none"> 1. Concept of Resources and Limits to Growth 2. Land Resources 3. Land Capability Classification 	
	Resource 2	<ol style="list-style-type: none"> 1. Drainage System & Watersheds 2. Surface & Ground Water 	



		Resources (Paper I & II)	
		3. Irrigation	
	Resource 3	1. Command Area Development 2. Watershed Development Programme 3. Interlinking of rivers	
	Resource 4 (long session)	1. Mineral Resources	
	Resource 5 (long session)	1. Energy Resources 2. Energy Crisis	
14	Agriculture 1	1. Introduction to Agricultural Geography 2. Factors affecting agricultural activities 3. Concept of Agricultural Productivity and Efficiency 4. Agricultural Infrastructure: seeds, fertilizers, power	
	Agriculture 2	1. Institutional Factors: Land Holdings, Land Tenure & Land Reforms 2. Green revolution & its Socio-economic & Ecological Implications	
	Agriculture 3	1. Significance of Dry Farming 2. Livestock Resources & White Revolutions 3. Aquaculture + Blue Revolution	
	Agriculture 4	1. Sericulture 2. Apiculture 3. Poultry 4. Second Green revolution and Sustainable Agriculture	
	Agriculture 5 (Long Session)	1. Agricultural Regionalisation 2. World Agriculture: Typology of Agricultural Regions (Economic Geography) (Whittlsey)	



		3. Von Thunen Model	
	Agriculture 6 (Long Session)	<ol style="list-style-type: none"> 1. Cropping Pattern 2. Crop Combination 3. Agricultural Productivity and Efficiency 4. Agricultural Intensity 5. Agro-climatic Zones and Agro-ecological Regions 	
15	Industry 1	<ol style="list-style-type: none"> 1. Introduction to Industrial Geography 2. Weber Industrial Location Theory 3. Other Theories of Industrial Location 	
	Industry 2	<ol style="list-style-type: none"> 1. Locational Factors of Cotton Industry 2. Locational Factors of Jute & Textile 	
	Industry 3	<ol style="list-style-type: none"> 1. Locational Factors of Iron & Steel Industries 2. Locational Factors of Aluminium Industries 3. Locational Factors of Paper, Chemical and Pharmaceutical Industries 	
	Industry 4	<ol style="list-style-type: none"> 1. Locational Factors of Fertiliser Industries 2. Locational Factors of Agro-based Industries 3. Industrial Regionalisation 	
	Industry 5	<ol style="list-style-type: none"> 1. New Industrial Policies 2. Multinational & Liberalization 3. SEZs 	
	Industry 6 (Long Session)	<ol style="list-style-type: none"> 1. Industrial houses & complexes including PSUs 2. Tourism including Eco-tourism 	
	Regional	1. Introduction to Regional Planning	

16	Planning 1	<ol style="list-style-type: none"> 2. Concept of a Region 3. Types of Region & 4. Methods of regionalisation 	
	Regional Planning 2	<ol style="list-style-type: none"> 1. Growth centres & Growth Poles with special reference to Perroux & Boudevilla 2. R.P. Misra's concept of growth of Growth Focii 	
	Regional Planning 3	<ol style="list-style-type: none"> 1. Regional Imbalances 2. Regional Development Strategies 3. Rostov's Model of Stages of Growth 	
	Regional Planning 4	<ol style="list-style-type: none"> 1. Environmental Issues in Regional Planning 2. Planning for Sustainable Development 	
	Regional Planning 5 (Long Session)	<ol style="list-style-type: none"> 1. Experience of Regional Planning in India 2. Five Year Plans 3. Multi-level Planning 4. Panchayati Raj & Decentralized Planning 5. IRDP 	
	Regional Planning 6 (Long Session)	<ol style="list-style-type: none"> 1. Planning for backward area 2. Planning for desert, Drought prone, Hill & Tribal Areas Development 3. Regional Planning & Development of Island Territories 	
17	Political Geography 1	<ol style="list-style-type: none"> 1. Introduction to Political Geography and Geopolitics 2. Heartland & Rimland theories 	
	Political Geography 2	<ol style="list-style-type: none"> 1. Geopolitics of South Asia & Indian Ocean Realm 2. Cross Border Terrorism 3. India's Role in World Affairs 	
	Political	<ol style="list-style-type: none"> 1. Laws of International Boundaries 	



	Geography 3	and Frontiers 2. International Boundary of India and Related Issues	
	Political Geography 4	1. Geographical basis of Indian Federalism 2. State Re-organisation 3. Emergency of new States 4. Regional Consciousness & Inter-state Issue	
	Transport, Communication and Trade (Long Session)	1. Road 2. Railway 3. Airway 4. Pipeline 5. Waterway	
	Transport, Communication and Trade (Long Session)	1. Growing Importance of Ports Patterns of World Trade 2. Trade Balance, Trade Policy, EPZs 3. Development in Communication & IT 4. Indian Space Programme	