

NCERT+

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NCERT

2400+
MCQs

ENVIRONMENT
& ECOLOGY

20 TEST

GEOGRAPHY

20 TEST

POLITY

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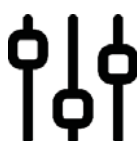
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PROGRAMME FEATURES

01

NCERT Concepts

All Important Concepts of NCERT Books are covered in the tests through 2400+ MCQs.



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02**03**

Supplementary Notes

With Each MCQ supplementary notes are provided.



3-Layer Performance Analysis

After each test detailed performance analysis will be provided including Test Report, Detailed Analysis & integrated All India Ranking

04

NCERT BASED TESTS TOPICS & MICRO DETALING

Test No	TOPIC	SUB TOPIC	MICRO DETAILING OF TOPIC	SOURCES
ENVIRONMENT & ECOLOGY				
1	ENVIRONMENT & ECOLOGY	Origin of Life Forms+ Basic Concepts of Ecology	Types of Ecology, Ecological Hierarchy, Scope of Ecology, Habitat & Ecological Niche, Deep vs Shallow Ecology, Ecological Principles, Ecological Community Structure and Characteristics of a, Community Stratification Ecotones Ecological Dominance Seasonal and Diurnal Fluctuation Periodicity Turnover Interdependence Ecological Succession Types and Process of Succession Climax Community Range of Tolerance , Maximum Range Difference between Ecology, Environment and Ecosystem	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 13: Organisms and Populations
2	ENVIRONMENT & ECOLOGY	Ecosystem Functions + Nutrient Cycling	Ecosystem Defi nitions, Functions and Properties, The Structure/Components of, Ecosystem, Abiotic & Biotic Components, Ecosystem Dynamics, Flow of Energy in Ecosystem, Trophic Levels, Food Chain, Food Web, Models for Energy Flow, Ecological Productivity & Pyramid, Bio magnifications, Biological Control, Organic Farming, Parts of a Bio Geochemical Cycle, Types of Biogeochemical Cycle Carbon Cycle Nitrogen Cycle, Phosphorus Cycle, Sulphur Cycle	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 14: Ecosystem

3	ENVIRONMENT & ECOLOGY	Population Ecology + Adaptation of Species and Species Interactions	Population Ecology, Competition, Predation and Herbivory. Symbiosis: Mutualism, Commensalism and Parasitism,	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 13: Organisms and Populations
4	ENVIRONMENT & ECOLOGY	Terrestrial Ecosystem	Biome, Grasslands, Tundra, Deserts; Thar desert, Mountain biome	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 14: Ecosystem
5	ENVIRONMENT & ECOLOGY	Aquatic Ecosystem	Aquatic ecosystems, Basic facts about the ocean, Importance of the ocean, Zones of the ocean, Marine life, Coral reefs: Coral reefs in India, Conserving coral reefs, Mangroves: Mangroves in India, Freshwater in India, Importance of lakes, National Lake Conservation Plan, Wetlands and their importance, Ramsar Convention, Ramsar Sites, Montreux Record, Extent and distribution of wetlands in India, Conserving the wetlands of India	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 14: Ecosystem
6	BIODIVERSITY	Basics of Biodiversity+ Plant and Animal Biodiversity+ Wildlife Protection Act - 1	Biodiversity, Important kinds of biodiversity, Degree of diversity in an ecosystem, Endemic Species, Keystone Species Indicator Species, Invasive Species, Allopatric and Sympatric,, Speciation, Bioinformatics, Biodiversity distribution, Uses and values of biodiversity, State of global biodiversity, Biogeographic, classification of India	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 15: Biodiversity and Conservation
7	BIODIVERSITY	Basics of Biodiversity+ Plant and Animal Biodiversity+ Wildlife Protection Act - 2	Biodiversity, Important kinds of biodiversity, Degree of diversity in an ecosystem, Endemic Species, Keystone Species, Indicator Species, Invasive Species, Allopatric and Sympatric Speciation, Bioinformatics. Biodiversity distribution, Uses and values of biodiversity, State of global biodiversity, Biogeographic classification of India	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 15: Biodiversity and Conservation

8	BIODIVERSITY	Threats to Biodiversity	Threats to biodiversity, Biodiversity Hotspots, Eco-regions Role of traditional knowledge in biodiversity, Biopiracy, Extinction of species Mass extinction, IUCN's classification scheme, IUCN Red, List of Threatened Species, Level of biodiversity in India Biodiversity distribution, Uses and values of biodiversity, State of, global biodiversity, Threats to biodiversity	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 15: Biodiversity and Conservation
9	BIODIVERSITY	Biodiversity Conservation - 1	Ex-situ aid in-situ conservation, Seed banks, Zoos in biodiversity conservation, Botanical gardens, Protected areas, State of, protected areas in the world, UNESCO Man and the Biosphere Program (MAB), Characteristics of biosphere reserves, International agreements for biodiversity conservation, Convention on Biological Diversity, Cartagena Protocol, Nagoya Protocol, Aichi Biodiversity Targets, Important Coastal and Marine, Biodiversity Areas of India, Important Bird Areas (IBAs) of India, Global Tiger Initiative, Project Tiger, Project Elephant, Indian Rhino Vision, Recovery Programme for Critically Endangered Species, Use of indigenous knowledge for conserving biodiversity, Seed village	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 15: Biodiversity and Conservation
10	BIODIVERSITY	Biodiversity Conservation - 2	Ex-situ aid in-situ conservation, Seed banks, Zoos in biodiversity conservation, Botanical gardens, Protected areas, State of, protected areas in the world, UNESCO Man and the Biosphere Program (MAB), Characteristics of biosphere reserves, International agreements for biodiversity conservation, Convention on Biological Diversity, Cartagena Protocol, Nagoya Protocol, Aichi Biodiversity Targets, Important Coastal and Marine, Biodiversity	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 15: Biodiversity and Conservation

			Areas of India, Important Bird Areas (IBAs) of India, Global Tiger Initiative, Project Tiger, Project Elephant, Indian Rhino Vision, Recovery Programme for Critically Endangered Species, Use of indigenous knowledge for conserving biodiversity, Seed village	
11	BIODIVERSITY	Estuaries, Mangroves, Coral Reefs, Wetlands	<p>Mangroves, Salient features of Mangroves, Importance of Mangroves</p> <p>Mangroves in India, Mangroves under threats, Legal and Regulatory, Approaches for Protection, Estuaries, Importance of estuaries, Threats to estuaries, Coral Reefs, Geographical Conditions Required, Uses of coral reefs, Conservation of coral reef, Steps for Coastal Ecosystem, Management</p>	<p>1. NCERT (Class 12)-Biology</p> <ul style="list-style-type: none"> Chapter 14: Ecosystem
12	POLLUTION & RESOURCE DEGRADATION	Land, Forest, Water, Soil and Energy Resources	<p>Land Degradation, Causes and Impact of Land, Degradation, Desertification, Sustainable Land Management, Soil Erosion</p> <p>Problems due to Excessive Irrigation, Soil Conservation</p> <p>Mining & Pollution, Effects of Mining on Environment, Concept of Sustainable Mining, Acts to regulate the adverse effects of Mining Activities</p>	<p>1. NCERT (Class 12)-Biology</p> <ul style="list-style-type: none"> Chapter 16: Environmental Issues
13	POLLUTION & RESOURCE DEGRADATION	Air Pollution	Air Pollution, Causes of Air Pollution, Harmful Effects of Common Air Pollutants, Control of Air Pollution	<p>1. NCERT (Class 12)-Biology</p> <ul style="list-style-type: none"> Chapter 16: Environmental Issues
14	POLLUTION & RESOURCE DEGRADATION	Water + Marine Pollution	<p>Marine Pollution, Effects of Marine Pollution</p> <p>, Coastal Regulation Zone Notification, 2011</p>	<p>1. NCERT (Class 12)-Biology</p> <ul style="list-style-type: none"> Chapter 16: Environmental Issues
15	POLLUTION & RESOURCE DEGRADATION	Biological + Thermal + Noise + Radioactive + Waste Pollution	Effects of Noise Pollution on Human Health, Harmful Effects from Biological Contaminants, Harmful Effects of Radioactive Pollution	<p>1. NCERT (Class 12)-Biology</p> <ul style="list-style-type: none"> Chapter 16: Environmental Issues

			Nuclear Accidents, Water Degradation, Measurement of Water Pollution, Harmful Effects of Water Pollution, Waste Management	
16	CLIMATE CHANGE & ENVIRONMENTAL GOVERNANCE	Climate Change and Global Warming	Climate Change, Factors Affecting Climate Change, Impact of climate change & its mitigation, Climate Change Management	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 16: Environmental Issues
17	CLIMATE CHANGE & ENVIRONMENTAL GOVERNANCE	Act and Policies	<ul style="list-style-type: none"> Environmental Laws: Provisions in the Indian Constitution towards Environmental Protection, Salient Features of Air (Prevention and Control of Pollution) Act, 1981* Salient Features of Water (Prevention and Control of Pollution) Act, 1974 Salient features of Forest Conservation Act, 1980 Salient Features of Wildlife Protection Act, 1972 Salient Features of Environment (Protection) Act, 1986 Role of Government in Environmental Protection Related Schemes and Policies 	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 16: Environmental Issues
18	CLIMATE CHANGE & ENVIRONMENTAL GOVERNANCE	International Governance	<ul style="list-style-type: none"> UNEP UNDP Centre for Biological Diversity WWF for Nature IUCN - Red List International organization International Conventions / Protocols & their Objectives 	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 16: Environmental Issues
19	CLIMATE CHANGE & ENVIRONMENTAL GOVERNANCE	Environmental Impact Assessment + Environmental Institutions	<ul style="list-style-type: none"> Government Body which Executes EIA Environmental Effects Analysed under EIA Process of EIA EIA Ruling 1984 UNEP, UNDP Centre for Biological Diversity 	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> Chapter 16: Environmental Issues

			<ul style="list-style-type: none"> • WWF for Nature • IUCN - Red List • Birdlife International • International Conventions / Protocols & their Objectives • Pollution Control Boards • National Green Tribunal • Forest Survey of India • National Board for Wildlife 	
20	CLIMATE CHANGE & ENVIRONMENTAL GOVERNANCE	Environmental Schemes in India	<ul style="list-style-type: none"> • National Mission for Clean Ganga • India Signs Global Environment Facility Grant • Wood in Good Campaign • Boat Lab to Study Brahmaputra • Wildlife Action Plan • SECURE Himalayas • Strategic Plan for Human-Elephant Conflict • Save the Sparrow • Land Degradation Neutrality • Biodiversity Heritage Site – Ameenpur Lake • Energy Conservation Building Code • Special Protection Force for Rhinos • Regional Project on Stubble Burning • Blue Flag Pilot Project • National Afforestation Program • National River Conservation Plan • National Mission for Clean Ganga • National Air Quality Index (AQI) • National Action Programme to Combat • Desertification • Bharat Stage Norms 	1. NCERT (Class 12)- Biology <ul style="list-style-type: none"> • Chapter 16: Environmental Issues

GEOGRAPHY

1	GENERAL GEOGRAPHY	Universe & Earth evolution	<ul style="list-style-type: none"> • Theories of Development • Galaxy • Star Formation • Planet Formation • Solar System • Moon • Asteroid • Meteor • Kuiper Belt • Comets • Dwarf Planets • Geological Time Scale • Evidences of shape of the Earth • Latitudes and longitudes • Why is there heat deficit and heat surplus regions on earth? • International Date Line • Standard time: Indian standard time, Chaibaagan time zone issue • Motion of the Earth • Reason for season on earth, Day and night time variation, from season to season. 	<p>1. NCERT (Class 11) – Fundamentals of Physical Geography</p> <ul style="list-style-type: none"> • Chapter 2: The origin and evolution of earth
2	GEOMORPHOLOGY	Earth's Interior Geology & Rock System	<ul style="list-style-type: none"> • Interior of the Earth - Crust ; Mantle; Core • Sources of Information – Direct Indirect - Earth Quake Waves Volcanoes • Theories – Suess Theory Minerals • Major Elements of the Earth's Crust • Minerals – Feldspar, Quartz, Pyroxene Amphibole, Mica , Olivine • Physical Characteristics– Crystal Form • Cleavage Fracture, Lusture, Color, Streak 	<p>1. NCERT (Class 11) – Fundamentals of Physical Geography</p> <ul style="list-style-type: none"> • Chapter 3: Interior of the Earth • Chapter 5: Minerals and Rocks

			<ul style="list-style-type: none"> • Transparency, Structure, Hardness, Specific Gravity Metallic minerals – precious Ferrous, Non Ferrous Non-metallic Minerals – Sulphur, Phosphates, Cement Rocks (Aggregate of Minerals) • Petrology Rocks & landforms Rocks & Soils; Igneous Rocks, Sedimentary Rocks, Metamorphic Rocks 	
3	GEOMORPHOLOGY	Geomorphic Processes Earthquakes & Volcanism	<p>Earth's Surface: Exogenic Forces; Endogenic Forces; Gradation , Degradation & Agradation Endogenic Forces; Diastrophism; Orogenic; Epierogenic; Earthquakes; Plate movements; Volcanism</p> <p>Exogenic Forces: Denudation Processes; Weathering; Mass movements; Erosion Transportation & Deposition Earthquakes and Volcanism Earthquakes Waves: P,S, Body, Surface,Shadow Zone; types of Earthquakes; Effects; Frequency; Locating an Epicentre Volcanism Types Shield; Composite; Caldera; Flood Basalt ; Mid Ocean Ridge Landforms (intrusive) Batholiths; Lacoliths; Lopoliths; Phacoliths; Sills; Dykes</p>	<p>1. NCERT (Class 11) – Fundamentals of Physical Geography</p> <ul style="list-style-type: none"> • Chapter 6: Geomorphic Processes • Chapter 3: Interior of the Earth
4	GEOMORPHOLOGY	Distribution of Continents & Oceans + Landforms and their evolution (Winds & Running Water)		<p>1. NCERT (Class 11) – Fundamentals of Physical Geography</p> <ul style="list-style-type: none"> • Chapter 4: Distribution of Oceans and Continents • Chapter 7: Landforms and Their Evolution
5	GEOMORPHOLOGY	Landforms and their evolution (Groundwater, Glaciers & Coastal Landforms)	<p>Ground Water (Karst Topography) Permeable Rocks ..., Percolation ..., Bedding Plains ... Limestone and Dolomite Regions ... Balkans , Adjacent to Adriatic regions ...</p>	<p>1. NCERT (Class 11) – Fundamentals of Physical Geography</p> <ul style="list-style-type: none"> • Chapter 4: Distribution of Oceans and Continents

			<p>Erosional Landforms ... Pools - Swallow Hole, Valley Sinks ... (Uvalas), Sinkholes, Collapse sinks (Dolines), Lapies, Ridges, Limestone</p> <p>Pavements, Caves – Altering bed of Rocks ... (Shale sandstone quartzit,</p> <p>Caves and Tunnels, Depositional landforms ..., Stalactites ...</p> <p>Stalagmites ... Pillar Columns ...</p> <p>Glaciers ...</p> <ul style="list-style-type: none"> • Erosional Landforms ... • Cirque of Tarn Lakes ... • Hors and Serrated Regions – Arete ... • Glacial Valleys / Troughs – Fjords ... • Depositional Landforms ... • Glacial Tills ... • Moraines ... • Eskers ... • Outwash Planes ... • Drumlins ... <p>Waves and Currents ...</p> <p>High Rocky Coasts & ..., Low Sedimentary Coasts, Erosional Landforms ...</p> <p>Cliffs ..., Terraces ..., Caves ..., Stacks ..., Depositional Landforms ..., Beaches and Dunes ..., Bars, Barriers, Spits</p>	<ul style="list-style-type: none"> • Chapter 8: Limestone and Chalk Landform • Chapter 10: Coastal Landforms
6	GEOMORPHOLOGY	Weathering & Landforms across the world	<p>Weathering ...</p> <p>Factors :Geological ...Climatic ... Topograhic ... Vegetative ...</p> <p>Major Processes ...Chemical ...Physical or Mechanical ... Biological ...</p> <p>" Chemical – Forces Chemical Action ...</p> <p>Solution ...</p> <p>Carbonation ...</p> <p>Hydration ...</p> <p>Oxidation & Reduction ...</p> <p>" Physical Forces Gravitational, ...</p> <p>Expansion, Water Pressure ...</p> <p>Unloading & Expansion ...</p> <p>Temperature changes and Expansion ...</p>	<p>1. NCERT (Class 11) – Fundamentals of Physical Geography</p>

			Freezing, Thawing, & Frost Wedging ... Salt Weathering ... " Biological Weathering ... Burrowing ... Wedging ... Plant Roots ... " Effects of Weathering ... Exfoliation (Flakin) – Exfoliation Domes ... " Signifi cance of Weathering ... Soil Formation ... Biomes and Biodiversity ... Leaching / Enrichment ... " Mass Movements ... Activating causes ... Forms of movement – Heave Flow Slide ...	<ul style="list-style-type: none"> Chapter 6: Geomorphic Processes Chapter 7: Landforms and Their Evolution
7	Climatology, Oceanography & Biogeography	Climatology - 1	Atmosphere – structure and composition Insolation & Temperature Reasons for variation in Temperature Horizontal distribution of temperature Heat Budget Latitudinal heat balance Temperature inversion Thermal Anamoly Adiabatic Temperature changes Heat Island	1. NCERT (Class 11) - Fundamentals of Physical Geography <ul style="list-style-type: none"> Chapter 8,9,10,11 & 12
8	Climatology, Oceanography & Biogeography	Climatology - 2	Distribution of Atmosperic Pressure; Pressure belts Wind systems Jet Streams Humidity Forms of Condensation Clouds and its classification Types of rainfall Air Masses, Fronts Cyclones (Tropical & Temperate) and anti-cyclones Major climatic types	1. NCERT (Class 11) - Fundamentals of Physical Geography <ul style="list-style-type: none"> Chapter 8,9,10,11 & 12
9	Climatology, Oceanography & Biogeography	Oceanography	Hydrological Cycle Ocean Bottom relief (Bottom topography of the Atlantic, Indian and Pacific Oceans;) Temperature (Horizontal & Vertical), salinity of the oceans Heat and Salt Budgets Ocean deposits Ocean currents	1. NCERT (Class 11) - Fundamentals of Physical Geography <ul style="list-style-type: none"> Chapter 13: Water(Oceans) Movements of Ocean Water

			El Nino and La Nina Waves and tides Marine resources: biotic, mineral and energy resources; Coral reefs, coral bleaching; sea level changes; law of the sea and marine pollution	
10	Climatology, Oceanography & Biogeography	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-Wild life; Major gene pool centres.	1. NCERT (Class 11) - Fundamentals of Physical Geography <ul style="list-style-type: none"> Chapter 15: Life on the Earth Chapter 16: Biodiversity and Conservation
11	Human and Economic Geography of World	Human Geography of the World; Settlement & Urbanization	Concept of human resources Factors affecting the distribution of Population Population Growth Components of Population change Trends in Population Growth Doubling time of world population Spatial pattern of Population change Impact of Population Change Demographic Transition Theories of population growth Population Control Measures World population distribution , Density and Growth POPULATION Sex Composition POPULATION Age Structure Population Literacy – literacy Rate Growth vs Development The four pillars of Development Approaches to Human Development Measuring Human Development International Comparisons of HUMAN DEVELOPMENT Settlement : Types and Patterns Rural & Urban Settlements Rural Urban Migration Emergence of Slums Inclusive Cities/Smart cities	1. NCERT (Class 12)- Fundamentals Of Human Geography <ul style="list-style-type: none"> Unit 1 to 4

12	Economic Geography of World	Economic Geography of the World + Mineral+ Energy Resources+ Transport + International Trade	Types of Economic Activities – Primary, Secondary, Tertiary, Quaternary, Quinary Primary - Hunting and Gathering Pastoralism Primary - Nomadic Herding Primary - Commercial livestock Rearing Transport International Trade Primary – Agriculture	1. NCERT (Class 8) - Resources and Development <ul style="list-style-type: none"> Unit 1 to 4
13	World regional Geography	World Regional Geography	Major natural regions Regional geography of developed countries Regional geography of developing countries Regional geography of South Asia Locations in News	1. Old NCERT (Class 6 – 7 – 8) - The Earth: Our Habitat <ul style="list-style-type: none"> Chapter 5,6 2. Orient Longman Atlas or Oxford Atlas
14	Indian Geography	Basics of India + Geological Structure & relief features + Physiography of India	<ul style="list-style-type: none"> Location, latitude, longitude, time zone, etc. Neighbours Important straits States and their position States with international boundaries The Himalayas – geological formation, climate, vegetation, soil, biodiversity, physiographic divisions, major passes, significance The Great North Indian Plains – geological formation, physiographic divisions, climate, vegetation, soil, biodiversity, significance Peninsular Plateau – geological formation, Central Highlands, Deccan Plateau, Western Ghats, Eastern Ghats Indian Desert Coastal plains and islands 	1. NCERT (Class 11) - India Physical Environment <ul style="list-style-type: none"> Chapter 1: India – Location Chapter 2: Structure and Physiography
15	Indian Geography	River systems + Climate	<ul style="list-style-type: none"> Himalayan rivers Peninsular rivers River basins Regional development and planning Hydropower projects, major dams 	1. NCERT (Class 11) - India Physical Environment <ul style="list-style-type: none"> Chapter 3: Drainage System Chapter 4: Climate

			<ul style="list-style-type: none"> West-flowing and east-flowing rivers Interlinking of rivers Major Lakes & Waterfalls of India Monsoons – driving mechanism, El Nino, La Nina Seasons Cyclones 	
16	Indian Geography	Natural vegetation and fauna + Soil types and its distribution	Classification of natural vegetation + ISFR 2019 Rainfall distribution Biosphere reserves, national parks, etc. Red-listed species	1. NCERT (Class 11) - India Physical Environment <ul style="list-style-type: none"> Chapter 5: Natural vegetation Chapter 6: Soils
17	Indian Agriculture	Agriculture + Irrigation + Animal Husbandry & Livestock	Land utilisation Major Cropping season in India Cropping Pattern in India Cropping Intensity in India Types of agricultural practices Green revolution Soils and crops Irrigation Land reforms Animal husbandry Government schemes	1. NCERT (Class 12) - INDIA PEOPLE AND ECONOMY <ul style="list-style-type: none"> Chapter 5: Land Resources and Agriculture Chapter 6: Water Resources
18	Economic Geography 1	Minerals and industries	Mineral distribution, industrial policies, location	1. NCERT (Class 12) - INDIA PEOPLE AND ECONOMY <ul style="list-style-type: none"> Chapter 7: Mineral and Energy Resources Chapter 8: Manufacturing Industries
19	Economic Geography 2	Economic Infrastructure, Energy Resources	Transportation (highways, inland waterways, etc.) Power and energy sector Conventional and non-conventional sources of energy Energy conservation	1. NCERT (Class 12) - INDIA PEOPLE AND ECONOMY 1. NCERT (Class 12)- FUNDAMENTALS OF HUMAN GEOGRAPHY <ul style="list-style-type: none"> Unit 1 to 4

20	Human Geography	(Census 2011 + Demography)	Demographic Attributes Races & tribes of India Recent census Urbanization in India	1. NCERT (Class 12)- FUNDAMENTALS OF HUMAN GEOGRAPHY <ul style="list-style-type: none"> Unit 1 to 4 2. Census Report 2011
INDIAN POLITY				
1	Evolution of the Constitution	The Company Rule The Crown Rule	<ul style="list-style-type: none"> Regulating Act 1773 Pitt's India Act 1784 Charter Act of 1813 Charter Act of 1833 Charter Act of 1853 Government of India Act 1858 Indian Councils Act 1861 India Councils Act 1892 Morley-Minto Reforms 1909 Montague-Chelmsford Reforms 1919 Government of India Act 1935 Indian Independence Act 1947 	
2	Evolution of the Constitution	Constituent Assembly Committees Sources of the Constitution	Constituent Assembly Objectives of the Constitution Sources of the Constitution	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> Chapter 1: Constitution: Why and How?
3	Salient Features of the Constitution+ Preamble + Schedules	Constitution & its Types Types of Political System Types of Majorities Doctrines and Terms Amendment of the Constitution	<ul style="list-style-type: none"> What is Constitution? Importance of Constitution Sources of the Constitution Salient features of the Constitution The Philosophy of the Constitution System of Government: Parliamentary & Presidential System Role of Convention under the Constitution Types of Political System Types of Majorities Doctrines and Terms Amendment of the Constitution 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> Chapter 1: Constitution: Why and How? Chapter 9: Constitution as a living documents Chapter 10: The philosophy of the constitution

				<p>2. NCERT (Class 9) – Democracies politics-1</p> <ul style="list-style-type: none"> Chapter 1: What is Democracy? Why Democracy? Chapter 2 : Constitutional Design <p>3. NCERT (Class 10) – Democratic Politics-II</p> <ul style="list-style-type: none"> Chapter 1: Power-sharing
4	<p>Salient Features of the Constution+ Preamble + Schedules</p>	<p>Preamble & its values Basic Structure of the Constitution Schedules & Subjects Amendment of the Constitution Other Constitutional Dimensions</p>	<ul style="list-style-type: none"> Basic features Value premises of constitution Right to Constitutional Remedies Difference between procedure established by law and due process of law Writs and their uses Restrictive limitations on fundamental rights Sovereign Socialist Secular Republic Justice Equality Liberty Fraternity Integrity Basic Structure of the Constitution Schedules & Subjects Amendment of the Constitution Other Constitutional Dimensions 	<p>1. NCERT (Class 11) – Indian Constitution at Work</p> <ul style="list-style-type: none"> Chapter 1: Constitution: Why and How? Chapter 9: Constitution as a living documents Chapter 10: The philosophy of the constitution

5	"Union & its Territory, Citizenship"	Article 1-4 State Reorganisation Commission Delimitation Commission	<ul style="list-style-type: none"> • Union of States • Parliament's Power to Reorganise the States • Exchange of Territories with Bangladesh • Evolution of States and Union Territories 	1. NCERT (Class 12) – Politics in India since Independence <ul style="list-style-type: none"> • Chapter 1: Challenges of Nation Building
6	Union & its Territory, Citizenship"	Constitutional Provisions Indian Diaspora	<ul style="list-style-type: none"> • Meaning and Significance Constitutional Provisions • Citizenship Act, 1955 • Single Citizenship • Overseas Citizenship of India 	1. NCERT (Class 12) – Politics in India since Independence <ul style="list-style-type: none"> • Chapter 1: Challenges of Nation Building
7	Fundamental Rights, DPSP, Fundamental Duties	Evolution, Objectives & Features Article 12-13, Right to Equality Right to Freedom Right against Exploitation Right to Freedom of Religion Cultural & Educational Rights	<ul style="list-style-type: none"> • Features of Fundamental Rights • Definition of State • Laws Inconsistent with Fundamental Rights • Right to Equality • Right to Freedom • Right Against Exploitation • Right to Freedom of Religion 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 2: Rights in the indian constitution
8	Fundamental Rights, DPSP, Fundamental Duties	Right to Constitutional Remedies Frs other Dimensions Evolution & Dimensions of DPSP Socialist Principles Gandhian Principles Liberal Intellectual Principles New Directive Principles Directive Principles outside Part IV Fundamental Duties	<ul style="list-style-type: none"> • Right to Constitutional Remedies • Writs—Types and Scope • Armed Forces and Fundamental Rights, Martial Law and Fundamental Rights, Effecting Certain Fundamental Rights • Present Position of Right to Property • Exceptions to Fundamental Rights • Criticism of Fundamental Rights • Significance of Fundamental Rights • Rights Outside Part III and Educational Rights Features of the Directive Principles • Classification of the Directive Principles • New Directive Principles 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 2: Rights in the indian constitution

			<ul style="list-style-type: none"> • Sanction Behind Directive Principles • Criticism of the Directive Principles • Utility of Directive Principles • Conflict Between Fundamental Rights and Directive • Principles • Implementation of Directive Principles • Directives Outside Part IV • Swaran Singh Committee Recommendations • List of Fundamental Duties • Features of the Fundamental Duties • Criticism of Fundamental Duties • Significance of Fundamental Duties • Verma Committee Observations 	
9	Fundamental Rights, DPSP, Fundamental Duties	Federalism	Federal and Unitary Features, Centre-State Relations, Interstate Relations	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 7: Federalism
10	Union Legislature & State Legislature	Organisation of Parliament Lok Sabha Organisation Rajya Sabha Organisation Legislative Assembly Legislative Councils	<ul style="list-style-type: none"> • Organisation of Parliament • Composition of the Two Houses • System of Elections to Lok Sabha • Duration of Two Houses • Membership of Parliament • Multifunctional Role of Parliament • Ineffectiveness of Parliamentary Control • Position of Rajya Sabha • Parliamentary Privileges • Sovereignty of Parliament • Organisation of State Legislature 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 5: Legislature

			<ul style="list-style-type: none"> Composition of Two Houses Duration of Two Houses Membership of State Legislature Position of Legislative Council Privileges of State Legislature 	
11	Union Legislature & State Legislature	Speaker Protem Speaker Chairman of Rajya Sabha Deputy Chairman of Rajya Sabha Leader in Parliament Legislative Procedures Committees of Parliament	<ul style="list-style-type: none"> Presiding Officers of Parliament Leaders in Parliament Sessions of Parliament Parliamentary Committees Parliamentary forum & Group Devices of Parliamentary Proceedings Legislative Procedure in Parliament Joint Sitting of Two Houses Budget in Parliament Presiding Officers of State Legislature Sessions of State Legislature Legislative Procedure in State Legislature 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> Chapter 5: Legislature
12	Union Executive & State Executive	President Vice President Governor	<ul style="list-style-type: none"> President Election of the President Qualifications, Oath and Conditions Term, Impeachment and Vacancy Powers and Functions of the President Veto Power of the President Ordinance-Making Power of the President Pardoning Power of the President Constitutional Position of the President Vice-President Election Qualifications, Oath and Conditions Term and Vacancy Powers and Functions Indian and American Vice-Presidents Compared Governor 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> Chapter 4: Executive Chapter 18: Vice President Chapter 30: Governor

			<ul style="list-style-type: none"> • Appointment of Governor • Conditions of Governor's Office • Term of Governor's Office • Powers and Functions of Governor • Constitutional Position of Governor 	
13	Union Executive & State Executive	Prime Minister & CoM Chief Minister & CoM	<ul style="list-style-type: none"> • Prime Minister • Appointment of the Prime Minister • Oath, Term and Salary • Powers and Functions of the Prime Minister • Role Descriptions • Relationship with the President • Chief Ministers who became Prime Ministers • Central Council of Ministers • Constitutional Provisions • Nature of Advice by Ministers • Appointment of Ministers • Oath and Salary of Ministers • Responsibility of Ministers • Composition of the Council of Ministers • Council of Ministers vs Cabinet • Role of Cabinet • Role Descriptions • Kitchen Cabinet • Cabinet Committees • Chief Minister • Appointment of Chief Minister • Oath, Term and Salary • Powers and Functions of Chief Minister • Relationship with the Governor • State Council of Ministers • Constitutional Provisions • Nature of Advice by Ministers 	1. NCERT(Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 4: Executive

14	Union Executive & State Executive	Local Government Union Territories & Special Area	<ul style="list-style-type: none"> • Evolution of Panchayati Raj • 73rd Amendment Act of 1992 • Compulsory and Voluntary Provisions • PESA Act of 1996 (Extension Act) • Finances of Panchayati Raj • Reasons for Ineffective Performance • Evolution of Urban Bodies • 74th Amendment Act of 1992 • Types of Urban Governments • Municipal Personnel • Municipal Revenue • Central Council of Local Government Union Territories • Creation of Union Territories • Administration of Union Territories • Special Provisions for Delhi • Advisory Committees of Union Territories • Scheduled and Tribal Areas • Administration of Scheduled Areas • Administration of Tribal Areas • Appointment of Ministers • Oath and Salary of Ministers • Responsibility of Ministers • Composition of the Council of Ministers • Cabinet 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 8: Local Governments
15	Judiciary	Supreme Court High Court Subordinate Courts Lok Adalats	<ul style="list-style-type: none"> • Supreme Court • Composition and Appointment • Qualifications, Oath and Salaries • Tenure and Removal • Acting, Adhoc and Retired Judges • Seat and Procedure • Independence of Supreme Court 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 6: Judiciary

			<ul style="list-style-type: none"> • Jurisdiction and Powers of Supreme Court • Supreme Court Advocates • Judicial Review and Activism • High Court • Composition and Appointment • Qualifications, Oath and Salaries • Tenure, Removal and Transfer • Acting, Additional and Retired Judges • Independence of High Court • Jurisdiction and Powers of High Court • Tribunals • Administrative Tribunals • Tribunals for Other Matters • Subordinate Courts • Constitutional Provisions • Structure and Jurisdiction • National Legal Services Authority • Lok Adalats • Permanent Lok Adalats • Family Courts • Gram Nyayalayas 	
16	Bodies	Constitutional Bodies Non-Constitutional Bodies	<ul style="list-style-type: none"> • Constitutional Bodies • Election Commission • Union Public Service Commission • State Public Service Commission • Finance Commission • Goods and Services Tax Council • National Commission for STs • National Commission for SCs • National Commission for BCs • Special Officer for Linguistic Minorities • Comptroller and Auditor General of India • Attorney General of India • Advocate General of the State 	

			<ul style="list-style-type: none"> • Non-Constitutional Bodies • NITI Aayog • National Human Rights Commission • State Human Rights Commission • Central Information Commission • State Information Commission • Central Vigilance Commission • Central Bureau of Investigation • Lokpal and Lokayuktas • National Investigation Agency • National Disaster Management Authority 	
17	Political Dynamics	Political Parties Election Pressure Groups	<ul style="list-style-type: none"> • Political Parties • Meaning and Types • Party System in India • Recognition of National and State Parties • Role of Regional Parties • Features of Regional Parties • Classification of Regional Parties • Rise of Regional Parties • Role of Regional Parties • Dysfunctions of Regional Parties • Elections • Electoral System • Election Machinery • Election Process • Election Laws • Representation of the People Act, 1950 • Representation of the People Act, 1951 • Delimitation Act, 2002 • Other Acts Relating to Elections • Rules Relating to Elections • Orders Relating to Elections • Electoral Reforms • Committees Related to Electoral Reforms • Electoral Reforms Before 1996 	1. NCERT (Class 11) – Indian Constitution at Work <ul style="list-style-type: none"> • Chapter 3: Election and Representation

			<ul style="list-style-type: none"> Electoral Reforms of 1996 Electoral Reforms After 1996 Electoral Reforms Since 2010 Voting Behaviour Meaning of Voting Behaviour Significance of Voting Behaviour Determinants of Voting Behaviour Role of Media in Elections and Voting Behaviour Anti-Defection Law Provisions of the Act Evaluation of the Act 91st Amendment Act (2003) Pressure Groups Meaning and Techniques Pressure Groups in India Notes and References 	
18	Governance	Governance in India	<ul style="list-style-type: none"> Important aspects of governance, transparency and accountability, e-governance applications, models, Citizens charters, Institutions 	1. NCERT (Class 12) – Politics In India since Independence
19	Governance	Schemes, Acts, Bills		
ECONOMY				
1	Basics of Economy	Basics of Economy	<ul style="list-style-type: none"> What is Economics? Introduction to Microeconomics Introduction to Macroeconomics Demand & Supply The free market hypothesis Cost, efficiency and scarcity Classification of Economy Basic Characteristics of Indian Economy 	
2	Economic Growth & National Income	Economic Growth		1. NCERT (Class 11) - India Economic Development

				<ul style="list-style-type: none"> Chapter 1: Indian economy on the eve of independence Chapter 2: Indian economy 1950-1990 Chapter 3: Liberalisation, privatisation and globalisation: an appraisal
3	Economic Growth & National Income	National Income; Inflation	<ul style="list-style-type: none"> Concepts of National Income Calculation of National Income Latest India's National Income Estimates New Series of National Statistics (Base Year 2011-12) Annual Estimates of Expenditures on GDP Per Capita Income Purchasing Power Parity Lorenz Curve , Philip's Curve Gini Coefficient 	1. NCERT (Class 12) - Introductory Macroeconomics <ul style="list-style-type: none"> Chapter 2: National Income Accounting
4	Money, Banking & Finance	Money & Banking	<ul style="list-style-type: none"> What is Money? Forms of Money Reserve Bank of India Money Supply Monetary policy Indian Banking System Terminologies/Concepts Related to Banking in India Nationalization of Banks in India Functions of Commercial Banks Challenges Faced by Commercial Banks in India Banking Reforms in India New Bank License Criteria Small Finance Banks and Payment 	1. NCERT (Class 12) - Introductory Macroeconomics <ul style="list-style-type: none"> Chapter 3: Money and Banking

			<ul style="list-style-type: none"> • Banks Criteria • Non-Banking Financial Company (NBFC) • Financial Inclusion • Issue of NPAs 	
5	Money, Banking & Finance	Financial Market & its instruments	<ul style="list-style-type: none"> • Financial system • Money Market and Capital Market in India • Regulatory Framework in Indian Capital Market • Primary Market Reforms in India • Secondary Market Reforms in India 	
6	Budget & Taxation	Public Finance in India (Budget; Fiscal Policy)	Government Budgeting/Deficits Budget Plan and Non Plan Expenditure Revenue, Nonrevenue Receipts, Revenue Receipts, Tax Revenue Receipts, Non-Tax Revenue Receipts Revenue Expenditure Revenue Deficit, Fiscal Deficit, Primary Deficit Deficit and Surplus Budget Deficit Financing Fiscal Policy – Revenue Fiscal Concept and Fiscal Policy in India Government Revenues & Spending Trends Impact of deficits on economic growth Twin Balance Sheet syndrome	1. NCERT (Class 12) - Introductory Macroeconomics <ul style="list-style-type: none"> • Chapter 5: Government Budget and the Economy
7	Budget & Taxation	Taxation in India	<ul style="list-style-type: none"> • Tax Structure in India • Tax – Direct Tax, Indirect Tax • Methods of Taxation – Progressive , • Regressive • Proportional • Value Added Tax – VAT in India 	<ul style="list-style-type: none"> • Indian Economy by Ramesh Singh • Chapter 17: Tax Structure in India

			<ul style="list-style-type: none"> • Goods and Services Tax – GST , GST • Council • Service Tax • DTC – Direct Tax Cod 	
8	Planning	Planning; Poverty; Employment	<ul style="list-style-type: none"> • Planning • Objectives – Major Objective of • Planning • Planning History • Regional and National Planning • Imperative and Indicative Planning • Visvesvaraya Plan, Gandhian Plan • FICCI Proposal, Congress Plan • Bombay Plan • Planning Commission and National • Development Council (NDC) • Central Planning – 5 Year Plans, 20 • Point Program, MPLADS • Decentralizes Planning • Analysis of 5 Year Plans • 12th FYP – Targets – Economic • Growth, Poverty and Unemployment, • Education, Health, Infrastructure, • Environment and Sustainability, • Service Delivery • NITI Aayog and its work • Poverty • Unemployment 	
9	Economic Sectors	Economic Sectors	Agriculture Industry Infrastructure	1. NCERT (Class 11) India Economic Development <ul style="list-style-type: none"> • Chapter 8: Infrastructure

				<ul style="list-style-type: none"> Chapters on Agriculture and Industry in Economic Survey 2019
10	International Trade & Balance of Payment	International Trade	Trends in International Trade Foreign Trade Policy	1. NCERT (Class)- Introduction to Macroeconomics <ul style="list-style-type: none"> Chapter 6: Open economy
11	International Trade & Balance of Payment	Balance of Payment; International Organisation; Trade Agreement	<ul style="list-style-type: none"> Balance of Payments and Foreign Capital Impact of Globalization on Indian Economy International Monetary Fund (IMF) World Trade Organisation (WTO) World Bank Group AIIB and NDB 	

HISTORY & CULTURE OF INDIA

1	ANCIENT HISTORY	Pre Historic Times Indus Valley Civilization Rig Vedic Period	<ul style="list-style-type: none"> Pre Historic Cultures In India Periodization of Indian Pre History Sources of Pre History Food Gathering Communities Food Producing Men Neolithic or the New Stone Age Iron Age Impact of Iron Pastoral and Farming Communities Neolithic Phase Chalcolithic Phase Early Iron Phase Geographical Distribution and Characteristics Indus Valley Civilization Major cities Town Planning Harappan Trade Agriculture Domestication of animals 	1. Old NCERT (Class 11) - Ancient India by R S Sharma <ul style="list-style-type: none"> Chapter 4, 5, 6, 7
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			<ul style="list-style-type: none"> • Crafts • Religion • Harappan Pottery • Weights and Measures • Script and Language • Images • Decline of Harappan Culture • Vedic Society • Original Home of Aryans • Rig Vedic Period 	
2	ANCIENT HISTORY	Later Vedic Period Jainism Buddhism	<ul style="list-style-type: none"> • Features of Aryan Culture • Vedic Texts • Sources for Reconstructing Vedic • Society and Culture • Geography of the Rig Vedic Period and geography of the later Vedic Phases • Economic Conditions • Political Organisation and Evolution of Monarchy • Social Organisation and Varna System • Religion and Thought • Growth of Jainism and • Buddhism 	1. Old NCERT (Class 11) - Ancient India by R S Sharma <ul style="list-style-type: none"> • Chapter 8 , 9 , 12
3	ANCIENT HISTORY	Mahajanapadas Period Mauryan Empire	Pre Mauryan Period <ul style="list-style-type: none"> • Formation of states • Mahajanapadas • Urban centres • Haryanka dynasty • Shishunaga dynasty • Nanda dynasty The Mauryan Empire <ul style="list-style-type: none"> • Chandragupta and Bindusara • Megasthenes • Asoka and His Successors • Asoka's Inscriptions and Sites • Asoka's Dhamma • Mauryan. Administration, Economy, • Society and Art • The Arthashastra 	1. Old NCERT (Class 11) - Ancient India by R S Sharma <ul style="list-style-type: none"> • Chapter 10 , 11, 13, 14

4	ANCIENT HISTORY	Post-Mauryan India Gupta Period Harshavardhana Period Sangam Period (South Indian Dynasties)	<ul style="list-style-type: none"> • Post-Mauryan India (SC 200-AD 300) • Evolution of Jatis • Sangam Texts-and Society • Satavahanas and Other Indigenous • Dynasties • Foreign Dynasties • Commercial Contacts with the Outside World • Schools of Art • Imperial Guptas • Sources of Gupta Rule • Political history of Guptas • Fahien • Gupta Administration • Gupta Culture • Urban centres in Gupta period • Economic Conditions • Harshavardana • Sources for Harsha's Period • Early life of Harsha • Harsha's Administration • Important Officials of the empire • Economy under Harsha • Society Religion) 	1. Old NCERT (Class 11) - Ancient India by R S Sharma <ul style="list-style-type: none"> • Chapter 15, 16, 17, 19, 20, 22
5	MEDIEVAL HISTORY	Major Dynasties of Early Medieval India (750-1200) Cholas & other South Indian Kingdoms	<ul style="list-style-type: none"> • The Shathavahanas (230 BC TO AD 225) • The Pallavas (AD 330-796) • The Chalukyas (AD 535-1190) • The Pandyas of Madurai (AD 590- 1323) • Th Chola Dynasty (AD 850-1310) • Rashtrakutas (AD 753-973 	1. Old NCERT (Class 11) – Medieval India by Satish Chandra <ul style="list-style-type: none"> • Chapter 2, 3, 4, 23 2. Old NCERT (Class 12) – Medieval India by R. S. Sharma <ul style="list-style-type: none"> • Chapter 23

6	MEDIEVAL HISTORY	Early Muslim Invasions The Delhi Sultanate (1206-1526 AD); Vijayanagar Empire	<ul style="list-style-type: none"> Central Asian Politics Advance of Babur towards India The Timurids The Timurid-Uzbek and Uzbek-Iran Conflict and Babur Babur's Advance towards India. Vijayanagara Empire <ul style="list-style-type: none"> Saluva dynasty (1486-1505) Tuluva dynasty (1505-1570) Other dynasties 	1. Old NCERT (Class 11) – Medieval India by Satish Chandra <ul style="list-style-type: none"> Chapter 5, 6, 7, 8, 9, 12
7	MEDIEVAL HISTORY	Struggle for Empire in North India, Establishment of North Indian Empire, Consolidation & Expansion of the Empire (Akbar); State & Government under Akbar; Akbar's Religious views)	Struggle for Empire in North <ul style="list-style-type: none"> India (Afghans, Rajputs and Mughals) Struggle between Ibrahim Lodi and Babur the Battle of Panipat Babur's problems after the Battle of Panipat Struggle with RanaSanga Problems of the Eastern Areas and the Afghans Babur's Contribution and Significance of his Advent into India Struggle for Empire in North India <ul style="list-style-type: none"> Humayun and the Afghans Early Activities of Humayun, and the Tussle with Bahadur Shah The Gujarat Campaign The Bengal Campaign, and Struggle with Sher Khan The Establishment of the North Indian Empire <ul style="list-style-type: none"> The Sur Empire (1540-56) Sher Shah : Social and Political Background of Bihar Contributions of Sher Shah 	1. Old NCERT (Class 11) – Medieval India by Satish Chandra <ul style="list-style-type: none"> Chapter 10, 11 12 13

			Consolidation and Expansion of the Empire - Akbar <ul style="list-style-type: none"> Conflict with the Afghans - Hemu Struggle with the Nobility: Bairam Khan's Regency Revolt of Uzbek Early Expansion of the Empire (1560-76) : <ul style="list-style-type: none"> Malwa, Garh-Katanga, Rajasthan, Gujarat, Eastern India Growth of a Composite Ruling Class : Rajputs Rebellions Expansion of the Empire: North West State 	
8	MEDIEVAL HISTORY	Post Akbar; Regional Powers	Akbar's Successors: <ul style="list-style-type: none"> Jahangir (1605-1627), Shah Jahan (1627-1658), Aurangzeb (1658-1707) The Marathas Oudh The Sikhs The Ruhelas or the Rohillas Mysore Hyderabad & Carnatic The Rajput Kingdoms 	1. Old NCERT (Class 11) – Medieval India by Bipin Chandra <ul style="list-style-type: none"> Chapter 2
9	MODERN HISTORY	European Powers + Policies	The Advent of Europeans In India <ul style="list-style-type: none"> Portuguese Causes of failure Dutch Danes English French Anglo-French Rivalry 	1. Old NCERT (Class 12) – Modern India by Bipin Chandra <ul style="list-style-type: none"> Chapter 3 4 5 6

			<ul style="list-style-type: none"> • First Carnatic War • Rise of the Hyderabad State • The Second Carnatic War • The Third Carnatic War • Causes of English Success <p>The English in Bengal from (1757 to 1772)</p> <ul style="list-style-type: none"> • Black-hole Tragedy • Battle of Plassey • Mir Jafar • Deposition of Mir Jafar • Battle of Buxar • Mir Kasim <p>Impact of British in India</p> <ul style="list-style-type: none"> • Administration • Industrialization • Ruin of Artisans and Handicrafts men • Impoverishment of Peasantry • Emergence of New Land Relations, • Ruin of Old Zamindars • Stagnation and Deterioration of Agriculture • Commercialization of Indian Agriculture • Development of Modern Industry • Rise of Indian Bourgeoisie • Economic Drain • Famine and Poverty • Nationalist Critique of Colonial Economy • Abolition of the Dual System • Zamindari system • Ryotwari system • Mahalwari system 	
10	MODERN HISTORY	Revolt of 1857; Tribal & Peasants Movements; Socio-Religious Reforms	<ul style="list-style-type: none"> • The Revolt of 1857 • Economic Causes • Political Causes 	

			<ul style="list-style-type: none"> • Administrative Causes • Socio -Religious Cause • Administrative Changes • Social reforms in India • Raja Ram Mohan Roy • Swami Vivekananda • Swami Dayananda Saraswati • Ishwar Chandra Vidyasagar • Jyotiba Phule • Dr. Bhimrao Ramji Ambedkar • Henry Vivian Derozio • Debendranath Tagore • Keshab Chandra Sen • Sri Ramakrishna Paramhansa • Mahadev Govind Ranade • Theosophical Society And Annie Besant • Syed Ahmad Khan • Parsi Religious Reform Association • Baba Dayal Das • Pandita Ramabai • Sarojini Naidu • Development of Indian Press • Development of Education 	1. Old NCERT (Class 12) – Modern India by Bipin Chandra <ul style="list-style-type: none"> • Chapter 8, 9, 13
11	MODERN HISTORY	Pre-Congress Phase & Moderate Phase of Congress(1858-1900)	<ul style="list-style-type: none"> • After 1857 • Administration - Central, Provincial, Local • Changes in the Army • Public Services • Princely States • Administrative Policies • Foreign Policy • Tribal Movements • Bhil Uprising • Kol Uprising • Santhal Rebellion • Jaintia and Garo Rebellion • Rampa Rebellion • Munda Rebellion • Khonda Dora Uprisings 	1. Old NCERT (Class 12) – Modern India by Bipin Chandra <ul style="list-style-type: none"> • Chapter 8, 12 13

			<ul style="list-style-type: none"> • Tana Bhagat Movement • Peasant Movements • Champaran Satyagraha • Kheda Peasant Struggle • Bardoli Movement • Moplah Rebellion • Tebhaga Movement • Telangana Movement • Revolutionary Movements • The Revolutionary Movement • Reasons for Failure 	
12	MODERN HISTORY	PARTITION OF BENGAL; EXTREMISTS PHASE (1900-1917)	<p>Nationalist Movement (1905-1918)</p> <ul style="list-style-type: none"> • Growth of militant Nationalism • How militant nationalists different from moderates • Swadeshi and Boycott Movement • Women Participation • Growth of Revolutionary Terrorism <p>Indian National Congress between (1905-1914)</p> <ul style="list-style-type: none"> • Morley Minto Reforms • Muslim league and growth of communalism • British used Muslim league to fight rising nationalism • Nationalist and World War I • Home rule league movement • Revolutionary Organization like Ghadar Party • Lucknow session of 1916 	<p>1. Old NCERT (Class 12) – Modern India by Bipin Chandra</p> <ul style="list-style-type: none"> • Chapter 14
13	MODERN HISTORY	INDIAN NATIONAL MOVEMENT 1 (1917-1939)	<ul style="list-style-type: none"> • Struggle for Swaraj • Post world war scenario • Impact of Russian Revolution on National Movement • Montague Chelmsford reforms 	<p>1. Old NCERT (Class 12) – Modern India by Bipin Chandra</p> <ul style="list-style-type: none"> • Chapter 15

			<ul style="list-style-type: none"> • Rowlatt Act • Arrival of Mahatma Gandhi and his ideas • Champaran Satyagraha, Ahmedabad : Mill strike • Satyagraha against Rowlatt Act • Jallianwala Bagh Massacre • Khilafat movement and Non cooperation movement • Impact of Chauri Chaura Incident • Role of Swarajists • State peoples conference movements • Rise of Socialism within congress • Peasant, Tribal and workers agitation • Socialist turn to Revolutionary terrorism • Response of British to revolutionary terrorism • Boycott of Simon Commission • Nehru Report • Significance of Poona Swaraj Resolution • Dandi March • Programme of CDM (1930-34) and British response • First Round table conference • Gandhi-Irwin Pact and Second RTC • Second phase of CDM • Women Participation after coming of Mahatma Gandhi • Communal Award • Poona Pact • Mahatma Gandhi and B. R. Ambedkar approach to caste and untouchability • Third RTC 	
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			Nationalist Politics (1935-1939) <ul style="list-style-type: none"> Government of India Act, 1935 Formation of Congress Ministries Growth of Socialist Ideas Congress and International Affairs 	
14	MODERN HISTORY	INDIAN NATIONAL MOVEMENT 2 (1939-1947)	<ul style="list-style-type: none"> National Movement in Princely States Growth of Communalism National movement and World War II August Offer, 1940 Individual civil disobedience movement (1940-41) Cripps Mission and Reasons for Failure Quit India Movement and British Response Women participation: freedom struggle Azad Hind Fauj: SC Bose INA trials Wavell Plan Shimla Conference (1945-46) Elections and the communal divide RIN (Royal Indian Navy Mutiny) Labour and peasant Unrest India's demand for freedom Cabinet Mission towards Partition and Independence Rise of Muslim communalism and partition of India The Indian Independence Act July, 1947 Role of Leaders Factors leading to Partition Congress accepted partition of India 	1. Old NCERT (Class 12) – Modern India by Bipin Chandra <ul style="list-style-type: none"> Chapter 15

15	ART & CULTURE	Visual Arts	<ul style="list-style-type: none"> • Visual Art Sculptures of Harappan Civilisation • Sculptures of Mauryan Age • Post-Mauryan Period • Jain Sculptures • Buddhist Sculpture • Gupta Sculpture • Medieval School of Sculpture • Modern Indian Sculpture • Architecture in Ancient India • Harappan Period • Mauryan Architecture • Post-Mauryan Period • Gupta Period • Temples of Khajuraho • Temples of Odisha • Temples of Gwalior • Temples of Gujarat • Temples of Rajasthan • Temples of Bengal • Temples of Assam • Temples of Himachal Pradesh • Temples of Jammu and Kashmir • Pallava Period • Chola Period • Pandya Temples • Vijaynagar Period • Indo-Islamic Architecture • Modern Architecture • Indian Paintings • Pottery Tradition in India 	1. NCERT (Class 11) – An introduction to Indian Art <ul style="list-style-type: none"> • Chapter 1 to 8
16	ART & CULTURE	Performing Arts	<ul style="list-style-type: none"> • Music in India • Main Pillars of Indian Music • Forms of Indian Music • Musical Instruments • Institutions Related to Music • Dances in India • Concept of Dance in India • Concept of Ashta Nayika 	1. Old NCERTs Relevant Sections from Ancient India by R S Sharma and Medieval India by Satish Chandra.

			<ul style="list-style-type: none"> • Eight Classical Dance Forms in India • Folk Dances • Modern Dances • Martial Arts in India • Genesis of Martial Arts 	2. (NIOS) - Indian Culture and Heritage (223) <ul style="list-style-type: none"> • Chapter 11: Indian Painting • Chapter 12: Performing Arts: Music, Dance and Drama • Chapter 13: Indian Architecture
17	ART & CULTURE	Religion, Language, Literature, Miscellaneous	<ul style="list-style-type: none"> • Languages & Literature • Vedic Literature • Tamil language and Sangam Literature • Classical languages Trends in Medieval Literature • Modern Indian Literature 	1. Old NCERTs Relevant Sections from Ancient India by R S Sharma and Medieval India by Satish Chandra. 2. (NIOS) - Indian Culture and Heritage (223) <ul style="list-style-type: none"> • Chapter: 6 & 7 dealing with Indian Languages and Literature-I & II • Chapter 8,9 & 10 dealing with Religion and Philosophy in Ancient, Medieval and Modern India. • Chapter 18 dealing with Education in India
SCIENCE & TECHNOLOGY				
1	General Science	EVERYDAY SCIENCE (PHYSICS & CHEMISTRY)	<ul style="list-style-type: none"> • EVERYDAY SCIENCE 	1. NCERT Science – Class 6th to 10th <ul style="list-style-type: none"> • Fundamental Concepts of Physics, Chemistry and Biology
2	General Science	BIOLOGY	<ul style="list-style-type: none"> • History and Origin of Life • Cells • Genetics • Classification of Living Things • Tissues • Economic Zoology 	1. NCERT Science – Class 6th to 10th <ul style="list-style-type: none"> • Fundamental Concepts of Biology

			<ul style="list-style-type: none"> • Endocrine system • Respiration 	
3	IT & Communication	Mobile Generations; Telecommunication Technologies; Computer Terminologies; Supercomputer	<ul style="list-style-type: none"> • IT, Electronics & Telecom • Computers • Generation of computers • Computer terminologies • Supercomputer and its applications • Information technology • Components of IT • IT enabled services • Application of IT • Display Technologies • Cathode ray • LCD • LED • Plasma Monitors • OLED • Telecommunications • Mobile generations • Smartfone • Important Concepts • Government initiatives • Digital India Initiative • MeghRaj • Code Free for India • E-Kranti • Bharat Net project • Bharat QR • Contemporary debates • Net Nuetrality • Internet of Things • Big Data Initiative and Privacy • Cyber crime and security 	1. Recent Development in the field of IT & Communication
4	Current Affairs	Government Initiative, Policy related to S&T, Schemes and Institutions	<ul style="list-style-type: none"> • India's policy in the field of the science and technology • The S&T policy resolution in 1958 • S&T policy of the 1983 • Department of Science & Technology 	1. Recent Development, India Year Book chapter on Scientific and Technological Developments. 2. Science Reporter

			<ul style="list-style-type: none"> • CSIR • Survey of India • Science and Engineering Research Council • Technology Development Board • National Accreditation Board For • Testing And Calibration Laboratories • Science and technology as a source of • Human Resource Development • Awards related to Science • New Initiatives Aligned with the • National Agenda • India and World collaboration in science projects • Technology Vision Document 2035 • National Biotechnology Development • Strategy 2015- 2020 • National Intellectual Property Rights Policy • Organ donation rules in India • Policy on Synthetic Biology 	
6	Defence	Missile System, India's Missile System, UAVs, Submarines, Latest Defence Updation	<ul style="list-style-type: none"> • Missile system and classification • On the basis of type • On the basis of launch vehicle • On the basis of Range • On the basis of propulsion system • India's Missile System • Agni • Prithvi • Trishul • Nag • Dhanush • Astra • Prahaar 	1. Recent Development in the field of Defence

			<ul style="list-style-type: none"> • BrahMos Missile System • Indian Submarines and Naval Ships • Light Combat Aircraft • Stealth technology • Chemical Weapon • Biological Weapon Unmanned Aerial Vehicle • South Asia Satellite: Significance • Neutrino Observatory • Solar Mission- ADITYA • Gravitational Waves 	
7	Biotechnology	Biotechnology Terminologies, Applications of Biotechnology, Biotechnology Project, Diseases, Vaccines	<ul style="list-style-type: none"> • Genetics and Biotechnology • Biological Fuel Generation • Environmental Biotechnology • Plant and Forest Biotechnology • Animal and Insect Biotechnology • Food and Beverage Biotechnology • Protection of Biotechnological Inventions 	<ul style="list-style-type: none"> • Recent Development in the field of • Biotechnology
8	Nuclear Technology 1	Nuclear Technology Basics	<ul style="list-style-type: none"> • Types of nuclear reactions • Nuclear Power Reactor • N-Power Policy of India • Advantages of Nuclear Energy • Disadvantages of Nuclear Energy • Non-energy applications of Nuclear energy 	<ul style="list-style-type: none"> • Recent Development in the field of Nuclear Technology
9	Nuclear Technology 2	Nuclear Technology Institutions, India's Nuclear Programme, Radiation Technologies and Applications	<ul style="list-style-type: none"> • Impact of Radiation • Issue of Radioactive Waste • Institutions involved in Nuclear energy • Development, AERB • Safety standards in Nuclear Power • Plants Nuclear & Radiological Disasters • Technologies and Applications 	<ul style="list-style-type: none"> • Recent Development in the field of Nano Technology

10	Nanotechnology & Robotics	Nanotechnology terminologies, Applications of Nanotechnology, Robotics and its types, Application of Robotics	<ul style="list-style-type: none"> • Nano-Science & Nano Technologies • What is Nanoscience and Nanotechnology? • Origination of Nanoscience and Technology • Basics of Nanoscience • Nanomaterials • Applications of nanotechnology • Nano medicine • Semiconductors and computing • Food • Textiles • Sustainable energy • Environment • Transport • Space • Agriculture • Adverse Health and Environmental • Impacts of Nanotechnology • Social and Ethical Impacts: • Nano-science and nano-technology in India • Healthcare Delivery • Outer Space • Exploration • Military Robots • Disaster Areas • Entertainment • Agriculture • Domestic work 	<ul style="list-style-type: none"> • Recent Development in the field of Nano Technology
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