

UPSC SYLLABUS EXPLAINED

MICRO TOPICS LISTING
PRE *cum* MAINS

UPDATED
for
IAS 2026-27





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& Organized
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"Focus on one subject at a time with a well-planned approach to ensure clarity, depth, and retention."

HISTORY

ANCIENT HISTORY

□ Pre Historic Cultures in India

- Sources of Pre History ☐
- Periodization of Indian Pre History ☐
- Stone Age ☐
- Palaeolithic (2 million BC – 10,000 BC) ☐
- Mesolithic (10,000 BC – 8,000 BC) ☐
- Neolithic (8000 BC – 4000 BC) ☐
- Chalcolithic Age (4000 BC – 1500 BC) ☐
- Iron Age (1500 BC-200 BC) ☐
- Impact of Iron ☐

□ Pastoral & Farming Communities

- Neolithic Phase ☐
- Chalcolithic Phase ☐
- Early Iron Phase ☐
- Geographical Distribution and Characteristics ☐

□ Indus Valley Civilization

- Harappan civilisation or Indus Valley Civilisation ☐
- Major Cities Town Planning ☐
- Harappan Internal & Foreign Trade ☐
- Agriculture ☐
- Domestication of animals ☐
- Crafts ☐
- Weights and Measures ☐
- Script and Language ☐
- Harappan Society ☐
- Harappan Religion ☐
- Harappan Economy ☐
- Harappan Burial System ☐

- Harappan Art & Architecture ☐
- Decline of Harappan Culture ☐

□ Vedic Society

- Original Home of Aryans ☐
- Features of Aryan Culture ☐
- Vedic Texts & Upanishad ☐
- Sources for Reconstructing Vedic Society and Culture ☐
- Geography of the Rig Vedic Period & Geography of the later Vedic Phases ☐
- Economic Conditions ☐
- Political Organisation and Evolution of Monarchy ☐
- Social Organisation and Varna System ☐
- Religion and Thought ☐

□ Pre Mauryan-Period

- Age of 2nd Urbanisation ☐
- Formation of states ☐
- The Sixteen Mahajanapadas ☐
- Gana Sangha or Republics ☐
- Rise of urban centres ☐
- Evolution of Coins ☐
- Haryanka dynasty ☐
- Shishunaga dynasty ☐
- Nanda dynasty ☐

□ Growth of Janism & Buddhism

- Jainism ☐
- Buddhism ☐

□ The Mauryan Empire

- Chandragupta and Bindusara ☐
- The Arthashastra ☐
- Megasthenes ☐
- Ashoka and His Successors ☐
- Ashoka's Inscriptions and Sites ☐
- Ashoka's Dhamma ☐
- Mauryan Administration, Economy, Society and Art ☐
- Decline of Maurya ☐
- Cultural History during the Maurya Age ☐

□ Post-Mauryan India (BC 200-AD 300)

- Arrival of Indo-Greeks, Shakas, Parthians & Kushana ☐
- Commercial Contacts with the Outside World ☐
- Satavahanas and Other Indigenous Dynasties ☐
- Society: Evolution of Jatis ☐
- Sangam Texts-and Society ☐
- Schools of Art: Gandhara; Mathura ; Amravati ☐

□ Imperial Guptas

- Sources of Gupta Rule ☐
- Political history of Guptas ☐
- Fa-hien Arrival ☐
- Gupta Administration ☐
- Development of Art & Culture ☐
- Gupta Empire: Period of Golden Age ☐
- Economic Conditions ☐

- Urban centres in Gupta period ☐
- Societal changes during Gupta Period ☐

□ Harshavardana

- Sources for Harsha's Period ☐
- Early life of Harsha ☐
- Harsha's Administration ☐
- Important Officials of the empire ☐
- Economy under Harsha ☐
- Huen Tsang Arrival ☐
- Society ☐
- Religion ☐

□ India's Contacts with Rest of Asia

- Propagation of Buddhism abroad ☐
- India's contacts with Roman empire ☐
- Trade and Chinese silk route ☐
- Reign of Kanishka ☐
- Spread of Indian culture to SE Asia ☐

□ Sangam Period (South Indian Dynasties)

- Sangam Literature ☐
- South Indian Dynasties ☐
 - Cholas ☐
 - Cheras ☐
 - Pandyas ☐
- Sangam Polity, Society and Culture ☐
- Economy of Sangam Period ☐
- Foreign Dynasties ☐
- Commercial Contacts with the Outside World ☐
- Schools of Art ☐

MEDIEVAL HISTORY

□ Major Dynasties (750-1200) of Early Medieval India

- The Pratiharas (8th to 10th Century) ☐
- The Palas (8th to 11th Century) ☐
- The Tripartite Conflict ☐
- The Senas (11th to 12th Century) ☐

- The Rajaputas ☐
- Pallavas ☐
- Chalukyas ☐
- Rashtrakutas ☐
- Indian Feudalism ☐

- Administration ☐
- Society and Culture ☐
- Economy and the decline of Trade ☐
- Regional Kingdoms - Bengali, Kashmir, Jaunpur and Cultural History ☐

□ **Cholas and Other South Indian Kingdoms**

- Chola Rulers and Political History ☐
- Chola Administration ☐
- Socio-Economic Life ☐
- Education and Literature ☐
- The Cheras (9th to 12th Century) ☐
- The Yadavas (12th to 13th Century) ☐
- Contact with South-East Asia ☐

□ **Early Muslim Invasions**

- The Arab Conquest of Sindh ☐
- Mahmud of Ghazni ☐
- Muhammad Ghori ☐

□ **The Delhi Sultanate (1206-1526 AD)**

- Slave Dynasty ☐
- Khalji Dynasty (1290-1320 AD) ☐
- Tughlaq Dynasty (1320-1414 AD) ☐
- Provincial Kingdoms and Resistance by Indian Chiefs ☐
- Sayyid Dynasty ☐
- Lodi Dynasty ☐
- Attacks by Mongols and other Turks ☐
- Administration ☐
- Economy ☐
- Urbanization ☐
- Society and Culture ☐
- Scientific Knowledge and legal System ☐
- Challenges leading to the decline of the Sultanate ☐

□ **Vijayanagar Empire**

- Sources ☐
- Political History ☐
- Administration ☐

- Social and Cultural Life ☐
- Economic Condition ☐
- Conflicts with the Bahmani Kingdom ☐
- Travellers of the Period 1200 AD to 1600 AD ☐

□ **Central Asian Politics and the Advance of Babur towards India**

- The Timurids ☐
- The Timurid-Uzbek ☐
- Uzbek-Iran Conflict and Babur ☐
- Babur's Advance towards India ☐

□ **Struggle for Empire in North-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 Rana Sanga ☐
- Problems of the Eastern Areas and the Afghans ☐
- Babur's Contribution and Significance of his Advent into India ☐

□ **Struggle for Empire in North India**

- 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**

- The Surs dynasty ☐
- Sher Shah's Early Life ☐
- Social and Political Background of Bihar and the Rise of Sher Shah to Power. ☐
- The Sur Empire (1540-56) ☐
- Contributions of Sher Shah ☐

□ **Consolidation and Expansion of the Empire - Akbar**

- Conflict with the Afghans - Hemu ☐

<ul style="list-style-type: none"> • Struggle with the Nobility <input type="checkbox"/> • Regency; Revolt of Uzbek Nobles <input type="checkbox"/> • Early Expansion of the Empire (1560-76) - Malwa, Garh-Katanga, Rajasthan, Gujarat, Eastern India <input type="checkbox"/> • Relations with the Rajputs - Growth of a Composite Ruling Class <input type="checkbox"/> • Rebellions, and Further Expansion of the Empire in the North West <input type="checkbox"/> 	<ul style="list-style-type: none"> • Suzerainty by Bijapur and Golconda <input type="checkbox"/> • Shah Jahan and the Deccan (1636-57) <input type="checkbox"/> • Cultural Contribution of the Deccani States <input type="checkbox"/>
<p>□ State and Government under Akbar</p> <ul style="list-style-type: none"> • Akbar's Concept of Suzerainty <input type="checkbox"/> • Structure of Government, Central and Provincial - the Vikalat, the Central Ministries, Provincial Ministries <input type="checkbox"/> • Government, District and Local Government <input type="checkbox"/> • The Working of Government - the Ruler, Land-Revenue System, the Dahsala System, the Mansabdari <input type="checkbox"/> • System and the Army <input type="checkbox"/> 	<p>□ Foreign Policy of the Mughals</p> <ul style="list-style-type: none"> • Akbar and the Uzbeks <input type="checkbox"/> • The Question of Qandahar and Relations with Iran <input type="checkbox"/> • Shah Jahan's Balkh Campaign <input type="checkbox"/> • Mughal - Persian Relations -the Last Phase <input type="checkbox"/>
<p>□ Akbar's Religious Views</p> <ul style="list-style-type: none"> • Relations with the Ulama and Social Reforms <input type="checkbox"/> • The Early Phase (1556-73) <input type="checkbox"/> • The Second Phase (1573-80) - the Ibadat Khana <input type="checkbox"/> • Debates - the Mahzar - Breach with Orthodox <input type="checkbox"/> • Ulama - Re-organisation of Madadd-i-Maash Grants <input type="checkbox"/> • Third or Final Phase - Din-i-Ilahi - State <input type="checkbox"/> • Policies & Religious Toleration <input type="checkbox"/> 	<p>□ India in the First Half of the Seventeenth Century</p> <ul style="list-style-type: none"> • Jahangir's Accession - his Early Difficulties <input type="checkbox"/> • Territorial Consolidation and Expansion of the Empire - Mewar, East India and Kangra <input type="checkbox"/> • Nur Jahan, and the Nur Jahan 'Junta' <input type="checkbox"/> • The Rebellions of Shah Jahan, and the coup de main of Mahabat Khan <input type="checkbox"/> • Jahangir as a Ruler <input type="checkbox"/> • State and Religion in the First Half of the Seventeenth Century <input type="checkbox"/> • Shah Jahan - Consolidation and Expansion of the Empire <input type="checkbox"/> • Evolution of the Mughal Ruling Class and the Mansabdari System <input type="checkbox"/>
<p>□ The Deccan and the Mughals (Upto 1657)</p> <ul style="list-style-type: none"> • The Deccani States upto 1595 <input type="checkbox"/> • Mughal Advance towards the Deccan <input type="checkbox"/> • Mughal Conquest of Berar, Khandesh and Parts of Ahmadnagar <input type="checkbox"/> • Rise of Malik Ambar, and Frustration of Mughal Attempt at Consolidation (1601-27) <input type="checkbox"/> • Extinction of Ahmadnagar, Acceptance of Mughal <input type="checkbox"/> 	<p>□ Aurangzeb - Religious Policies, North India and the Rajputs</p> <ul style="list-style-type: none"> • War of Succession <input type="checkbox"/> • Religious Policy: First Phase (1658-79) <input type="checkbox"/> • Reforms and Puritanical Measures <input type="checkbox"/> • Temples, Jizyah; Second Phase (1679-1707) <input type="checkbox"/> • Territorial Consolidation and Expansion of Empire - North India <input type="checkbox"/> • Popular Revolts - Jats, Satnamis, Afghans and Sikhs <input type="checkbox"/> • Breach with Marwar and Mewar <input type="checkbox"/>
	<p>□ Climax and Crisis of the Mughal Empire the Marathas and the Deccan</p>

- Rise of the Marathas - Early reign of Shivaji ☐
- Treaty of Purandar - the Agra Visit ☐
- Shivaji's Swarajya - Administration and Achievements ☐
- Aurangzeb and the Deccani States (1658-87) ☐
- Marathas and the Deccan (1687-1707) ☐
- Assessment of Aurangzeb and the Jagirdari Crisis ☐

□ Society-Structure and Growth

- Rural Society ☐
- Towns and Town Life ☐
- Artisans and Master-Craftsmen ☐
- Women ☐
- Servants and Slaves ☐
- Standard of Living ☐
- The Ruling Classes - Nobility, Rural Gentry ☐
- The Middle Strata ☐
- The Commercial Classes ☐

□ Economic Life-Patterns and Prospects

- Inland Trade ☐
- Overseas Trade - Role of Foreign Trading ☐
- Companies - Position of Indian Merchants over-Land Trade ☐
- The Mughal State and Commerce ☐
- Trend of India's Economy and Prospects during the First Half of the Eighteenth Century ☐

□ Religion, Fine Arts, Science and Technology

- Religion- Hindu Religion, Sikh Religion, Islam ☐
- Fine Arts - Architecture, Painting, Language and Literature, Music ☐
- Science and Technology ☐

□ Northern India in the First Half of the Eighteenth Century

- Bahadur Shah I, and the Beginning of the Struggle ☐
- For Wizarat - Rajput Affairs -Marathas and the Deccan - Accentuation of the Party Struggle ☐
- Struggle for 'New' Wizarat: Zulfiqar Khan and Jahandar Shah (1712-13) ☐
- The Sayyid Brothers' Struggle for 'New' Wizarat ☐
- The Sayyid 'New' Wizarat ☐
- The Wizarat of M. Amin Khan and Nizam-ul-Mulk ☐
- Rise of Regional States, Beginning of Foreign Invasions of India (1725-48) ☐

□ The Maratha Bid for Supremacy

- The Marathas and their Policy of Expansion ☐
- The Marathas and Nizam-ul-Mulk ☐
- The Maratha Advance into Gujarat and Malwa ☐
- The Maratha Advance into Doab and Punjab ☐
- First Phase (1741-52); Second Phase (1752-61); ☐
- Third Battle of Panipat ☐

MODERN HISTORY

□ Scenario before 1857

- Later Mughals & their Decline ☐
- Regional powers in 18th Century ☐
- Advent of Europeans in India ☐
- The British conquest of India ☐

- Carnatic Wars ☐
- Battle of Plassey & Buxar ☐
- Anglo-Mysore War ☐
- Anglo Punjab War ☐
- British Administration before 1857 ☐

<ul style="list-style-type: none"> British Economic Policy <input type="checkbox"/> 	<ul style="list-style-type: none"> August Offer <input type="checkbox"/>
□ Revolt of 1857 <ul style="list-style-type: none"> Causes for revolt of 1857 <input type="checkbox"/> Leaders of revolt of 1857 <input type="checkbox"/> Suppression of revolt of 1857 <input type="checkbox"/> Nature of revolt of 1857 <input type="checkbox"/> Consequences of Revolt of 1857 <input type="checkbox"/> 	<ul style="list-style-type: none"> Individual Satyagraha 1940-41 <input type="checkbox"/>
□ Early Nationalism <ul style="list-style-type: none"> Pre-Congress Organizations <input type="checkbox"/> Indian National Movement (1858-1905) <input type="checkbox"/> Early Nationalists and Swadeshi Movement <input type="checkbox"/> Government of India Act 1909 <input type="checkbox"/> Home rule league movement <input type="checkbox"/> 	□ Towards Achievement of Freedom <ul style="list-style-type: none"> Popular struggles in the princely states <input type="checkbox"/> 2nd World War and Nationalist response <input type="checkbox"/>
□ The struggle for Swaraj <ul style="list-style-type: none"> Montague's statement – Aug 1917 <input type="checkbox"/> Emergence of Gandhi – as a mass leader <input type="checkbox"/> Khilafat & Non-Cooperation Movement (NCM) <input type="checkbox"/> Swaraj Party <input type="checkbox"/> Revolutionary Terrorism Phase II (1920's) <input type="checkbox"/> Simon Commission and Nehru Report <input type="checkbox"/> 	□ Partition of India <ul style="list-style-type: none"> Rise of Communalism <input type="checkbox"/> Wavell Plan <input type="checkbox"/> Cabinet Mission Plan <input type="checkbox"/> Mountbatten Plan <input type="checkbox"/>
□ March towards Freedom <ul style="list-style-type: none"> Civil Disobedience Movement <input type="checkbox"/> Round Table Conference <input type="checkbox"/> Poona Pact <input type="checkbox"/> Government of India Act 1935 <input type="checkbox"/> Formation of Congress Ministries <input type="checkbox"/> Tripuri Session – 1939 <input type="checkbox"/> 	□ Trends during freedom struggle <ul style="list-style-type: none"> Indian Renaissance/Socio-Religious Movement <input type="checkbox"/> Civil Rebellions during British <input type="checkbox"/> Tribal Movements during British Period <input type="checkbox"/> Peasant's Movement during British Period <input type="checkbox"/> Working Class Movement (1850-1900) <input type="checkbox"/> Growth of communalism <input type="checkbox"/> Left and Communist trends in National Movement <input type="checkbox"/> Press and Education during British Period <input type="checkbox"/> Role of Women in Freedom Struggle <input type="checkbox"/> Governor Generals of India <input type="checkbox"/> Viceroy of India <input type="checkbox"/> Important Persons <input type="checkbox"/> Important Newspaper/Journals <input type="checkbox"/> Congress Sessions <input type="checkbox"/>

POST INDEPENDENCE CONSOLIDATION

□ Re-organisation & Integration of states <ul style="list-style-type: none"> Constitutional provisions related to State formation <input type="checkbox"/> Factors that lead to the merger of States <input type="checkbox"/> 	<ul style="list-style-type: none"> Accession of the princely states <input type="checkbox"/> Problems with J&K, Hyderabad and Junagarh <input type="checkbox"/> Accession of States under France and Portuguese <input type="checkbox"/>
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<ul style="list-style-type: none"> • Accession of Sikkim <input type="checkbox"/> • Rehabilitation of the Refugees <input type="checkbox"/> • Federal crisis <input type="checkbox"/> • Regional aspirations, insurgencies and areas of tension <input type="checkbox"/> • Accommodation and national integration <input type="checkbox"/> <p>□ Linguistic Regionalism in India</p> <ul style="list-style-type: none"> • Constitutional position and language policy <input type="checkbox"/> • Language and regionalism <input type="checkbox"/> • Recent controversy due to rise of Hindi language <input type="checkbox"/> <p>□ Tribal Issue and Policy Consolidation</p> <ul style="list-style-type: none"> • Tribal Issues & Present Status <input type="checkbox"/> • Tribal Policy consolidation <input type="checkbox"/> <p>□ Problem of Caste and Social Consolidation</p> <ul style="list-style-type: none"> • Caste practices in India <input type="checkbox"/> • Ambedkar Movement <input type="checkbox"/> • Constitutional provisions <input type="checkbox"/> • Recent government initiatives for emancipation of Scheduled Castes <input type="checkbox"/> • Issues of Manual Scavenging <input type="checkbox"/> <p>□ Communalism & Social Consolidation</p> <ul style="list-style-type: none"> • Secularism <input type="checkbox"/> • Causes of Communalism in India <input type="checkbox"/> • Consequences of the communalism and social consolidation <input type="checkbox"/> <p>□ Issue of Linguistic Minorities</p> <ul style="list-style-type: none"> • Operational Inefficiency <input type="checkbox"/> • Government initiatives <input type="checkbox"/> 	<p>□ Overview of Economic Development Since Independence</p> <ul style="list-style-type: none"> • Planning in India <input type="checkbox"/> <p>□ Agriculture</p> <ul style="list-style-type: none"> • Journey through Five Year Plans <input type="checkbox"/> • Land Reforms <input type="checkbox"/> • Post Green Revolution Agricultural <input type="checkbox"/> • Issues <input type="checkbox"/> • Agrarian Movements <input type="checkbox"/> • Achievements in Agriculture since Independence <input type="checkbox"/> • Recent Challenges <input type="checkbox"/> <p>□ Industry</p> <ul style="list-style-type: none"> • Industrial development since independence <input type="checkbox"/> • Public sector since independence <input type="checkbox"/> • Sectoral Development <input type="checkbox"/> • Private Sector since Independence <input type="checkbox"/> • Industrial Policy since Independence <input type="checkbox"/> • Make in India <input type="checkbox"/> <p>□ New Economic Policy</p> <ul style="list-style-type: none"> • Impact of New Economic Policy <input type="checkbox"/> <p>□ Post-Independence Policy of Science and Technology</p> <ul style="list-style-type: none"> • India's Policy in the Field of Science and Technology <input type="checkbox"/> • Institutional Framework for Science and Technology Development <input type="checkbox"/> • Science and Technology in Pre- Reform Period <input type="checkbox"/> • Impact of Economic Reform on the Science and Technology in India <input type="checkbox"/> • New Policy Initiatives in the S&T <input type="checkbox"/> • Agenda of the Skill Training <input type="checkbox"/>
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WORLD HISTORY

<p>□ Beginning of Modern Age</p> <ul style="list-style-type: none"> • Disintegration of the Feudal System <input type="checkbox"/> • Renaissance <input type="checkbox"/> 	<ul style="list-style-type: none"> • Humanism <input type="checkbox"/> • Art and Architecture <input type="checkbox"/> • Literature <input type="checkbox"/>
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<ul style="list-style-type: none"> • Science <input type="checkbox"/> • Reformation <input type="checkbox"/> • Explorations, Discovery, Trade <input type="checkbox"/> • Colonization – Rise of Nation State <input type="checkbox"/> • The English Revolution <input type="checkbox"/> 		<ul style="list-style-type: none"> • Consequences of World War I <input type="checkbox"/> • Aftermath of World War I <input type="checkbox"/> • League of Nations <input type="checkbox"/>
□ French Revolution <ul style="list-style-type: none"> • Causes <input type="checkbox"/> • The revolution in France <input type="checkbox"/> • France under Napoleon <input type="checkbox"/> • Impact of revolution <input type="checkbox"/> • Significance of revolution <input type="checkbox"/> 		□ Russian Revolution <ul style="list-style-type: none"> • Major events in pre-revolution Russia <input type="checkbox"/> • Causes <input type="checkbox"/> • Course of revolution <input type="checkbox"/> • Consequences <input type="checkbox"/> • Aftermath of the war <input type="checkbox"/> • Post-Lenin Russia <input type="checkbox"/>
□ Nationalism in Europe <ul style="list-style-type: none"> • Rise of the nation-state system <input type="checkbox"/> • Unification of Italy <input type="checkbox"/> • Unification of Germany <input type="checkbox"/> 		□ Inter-War Years (1919 To 1939) <ul style="list-style-type: none"> • The Great Depression- an economic perspective <input type="checkbox"/> • Rise of Fascism in Italy <input type="checkbox"/> • Rise of Nazism in Germany <input type="checkbox"/> • Soviet Union (USSR) <input type="checkbox"/>
□ Colonialism and Imperialism <ul style="list-style-type: none"> • Colonialism <input type="checkbox"/> • The age of Imperialism (1870-1914) <input type="checkbox"/> • Imperialism in Asia <input type="checkbox"/> • Analysis of Colonialism <input type="checkbox"/> 		□ World War-II <ul style="list-style-type: none"> • Foundations of the war <input type="checkbox"/> • Course of the war <input type="checkbox"/> • Aftermath of war <input type="checkbox"/> • Analysis of the war <input type="checkbox"/> • Decolonization phase <input type="checkbox"/>
□ Emergence of USA <ul style="list-style-type: none"> • Foundation of American Colonies <input type="checkbox"/> • The Independence of United States of America <input type="checkbox"/> • The American Revolutionary War <input type="checkbox"/> • What was the impact of American Revolution? <input type="checkbox"/> • Political Effects of the Revolution <input type="checkbox"/> • How did the American Revolution influence the French Revolution? <input type="checkbox"/> • US Civil War <input type="checkbox"/> • Impact of Civil War on USA <input type="checkbox"/> • Global Impact of US Civil War <input type="checkbox"/> • Impact on India <input type="checkbox"/> 		□ Development In Middle East <ul style="list-style-type: none"> • Democratic reforms in Middle East <input type="checkbox"/> • Arab nationalism <input type="checkbox"/> • Israel <input type="checkbox"/>
□ World War-I <ul style="list-style-type: none"> • Major causes of the war <input type="checkbox"/> • Course of the war <input type="checkbox"/> • Analysis of major events of the war <input type="checkbox"/> 		□ Cold War <ul style="list-style-type: none"> • Reasons <input type="checkbox"/> • Development of Cold War (1945-1953) <input type="checkbox"/> • To what extent was there a thaw after 1953? <input type="checkbox"/> • Nuclear Arms Race and the Cuban Missile Crisis (1962) <input type="checkbox"/>
		□ Post Cold-War World <ul style="list-style-type: none"> • Global issues since 1991 <input type="checkbox"/> • Integration of Europe <input type="checkbox"/> • European integration—a timeline <input type="checkbox"/> • Rise of global Islamic terrorism <input type="checkbox"/>

<ul style="list-style-type: none"> • Rise of China <input type="checkbox"/> 	<ul style="list-style-type: none"> • Communism (concept, types, example) <input type="checkbox"/>
<ul style="list-style-type: none"> □ Communism, Socialism and Capitalism 	<ul style="list-style-type: none"> • Relevance of capitalism in present era <input type="checkbox"/>
<ul style="list-style-type: none"> • Capitalism (concept, types and example) <input type="checkbox"/> 	<ul style="list-style-type: none"> • Socialism <input type="checkbox"/>

INDIAN CULTURE

<ul style="list-style-type: none"> □ Sculptural Art in India 	<ul style="list-style-type: none"> • Imperial Style Delhi Sultanate <input type="checkbox"/>
<ul style="list-style-type: none"> • Sculptures of Harappan Civilisation <input type="checkbox"/> 	<ul style="list-style-type: none"> • Provincial Style <input type="checkbox"/>
<ul style="list-style-type: none"> • Sculptures of Mauryan Age <input type="checkbox"/> 	<ul style="list-style-type: none"> • Mughal Style <input type="checkbox"/>
<ul style="list-style-type: none"> • Post-Mauryan Period Sculptures <input type="checkbox"/> 	<ul style="list-style-type: none"> • Sikh Style of Architecture <input type="checkbox"/>
<ul style="list-style-type: none"> • Jain Sculptures <input type="checkbox"/> 	<ul style="list-style-type: none"> • Rajput Architecture <input type="checkbox"/>
<ul style="list-style-type: none"> • Buddhist Sculpture <input type="checkbox"/> 	<ul style="list-style-type: none"> □ Modern Architecture
<ul style="list-style-type: none"> • Gupta Sculpture <input type="checkbox"/> 	<ul style="list-style-type: none"> • European Influence <input type="checkbox"/>
<ul style="list-style-type: none"> • Medieval School of Sculpture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Indo-Saracenic Architecture <input type="checkbox"/>
<ul style="list-style-type: none"> • Modern Indian Sculpture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Post-Independence Period <input type="checkbox"/>
<ul style="list-style-type: none"> □ Architecture in Ancient India 	<ul style="list-style-type: none"> □ Indian Paintings
<ul style="list-style-type: none"> • Harappan Period Architecture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Tradition of Mural Paintings in India <input type="checkbox"/>
<ul style="list-style-type: none"> • Mauryan Architecture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Tradition of Miniature Paintings in India <input type="checkbox"/>
<ul style="list-style-type: none"> • Post-Mauryan Period & Gupta Period Architecture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Paintings in the Deccan <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Khajuraho <input type="checkbox"/> 	<ul style="list-style-type: none"> • Rajput School of Painting <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Odisha <input type="checkbox"/> 	<ul style="list-style-type: none"> • Pahari School of Painting <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Gwalior <input type="checkbox"/> 	<ul style="list-style-type: none"> • Miniature Painting in South India <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Gujarat <input type="checkbox"/> 	<ul style="list-style-type: none"> • Regional Paintings <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Rajasthan <input type="checkbox"/> 	<ul style="list-style-type: none"> • Modern Paintings <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Bengal <input type="checkbox"/> 	<ul style="list-style-type: none"> • Contemporary Paintings <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Assam <input type="checkbox"/> 	<ul style="list-style-type: none"> □ Pottery Tradition in India
<ul style="list-style-type: none"> • Temples of Himachal Pradesh <input type="checkbox"/> 	<ul style="list-style-type: none"> • Ochre Coloured Pottery (OCP) <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Jammu and Kashmir <input type="checkbox"/> 	<ul style="list-style-type: none"> • Black and Red Ware (BRW) <input type="checkbox"/>
<ul style="list-style-type: none"> • Pallava Period Architecture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Painted Grey Ware (PGW) <input type="checkbox"/>
<ul style="list-style-type: none"> • Chola Period Architecture <input type="checkbox"/> 	<ul style="list-style-type: none"> • Northern Black Polished Ware (NBPW) <input type="checkbox"/>
<ul style="list-style-type: none"> • Pandya Temples <input type="checkbox"/> 	<ul style="list-style-type: none"> • Glazed and Unglazed Pottery <input type="checkbox"/>
<ul style="list-style-type: none"> • Vijaynagar Period Architecture <input type="checkbox"/> 	<ul style="list-style-type: none"> □ Music in India
<ul style="list-style-type: none"> • Nayaka Temples <input type="checkbox"/> 	<ul style="list-style-type: none"> • Main Pillars of Indian Music <input type="checkbox"/>
<ul style="list-style-type: none"> • Temples of Kerala <input type="checkbox"/> 	<ul style="list-style-type: none"> • Forms of Indian Music <input type="checkbox"/>
<ul style="list-style-type: none"> • Vesara Style Temple <input type="checkbox"/> 	<ul style="list-style-type: none"> • Musical Instruments <input type="checkbox"/>
<ul style="list-style-type: none"> • Hoysala Style <input type="checkbox"/> 	<ul style="list-style-type: none"> • Institutions Related to Music <input type="checkbox"/>
<ul style="list-style-type: none"> • Rashtrakuta Period Architecture <input type="checkbox"/> 	
<ul style="list-style-type: none"> □ Indo-Islamic Architecture 	

□ Dances in India

- Concept of Dance in India ☐
- Concept of Ashta Nayika ☐
- Eight Classical Dance Forms in India ☐
- Folk Dances ☐
- Modern Dances ☐

□ Martial Arts in India

- Genesis of Martial Arts ☐
- Forms of Traditional Martial Arts ☐

□ Indian Theatre

- Classical Sanskrit Theatre ☐
- Regional Theatre ☐
- Modern Theatre ☐
- Renaissance of Indian Theatre ☐

□ Indian Puppetry

- String Puppets ☐
- Shadow Puppets ☐
- Rod Puppets ☐
- Glove puppets ☐
- Modern Puppetry ☐
- Tribal Puppetry ☐

□ Indian Cinema

- Cinema in India ☐
- History of Indian Cinema ☐
- Classification of Indian Cinema Film ☐

□ Religions in India

- Pre-Vedic Religion ☐
- Hinduism ☐
- Buddhism ☐
- Jainism ☐
- Sikhism ☐
- Islam ☐
- Christianity ☐
- Zoroastrianism ☐
- Judaism ☐
- Philosophy in India ☐

□ Bhakti & Sufi Movements

- Bhakti Movement ☐

- Vaishnava Acharyas: Metaphysical Foundation ☐
- Other Saints of Bhakti Movement ☐
- Maharashtra Dharma ☐
- Sufism ☐

□ Languages & Literature in India

- Sanskrit Literature ☐
- Pali Literature ☐
- Prakrit Literature ☐
- Tamil Literature ☐
- Telugu Literature ☐
- Malayalam Literature ☐
- Kannada Literature ☐
- Odia Literature ☐
- Assamese Literature ☐
- Bengali Literature ☐
- Gujarati Literature ☐
- Rajasthani Literature ☐
- Punjabi Literature ☐
- Marathi Literature ☐
- Hindi Literature ☐
- Persian Literature ☐
- Urdu Literature ☐

□ Miscellaneous Topics

- Indian Handicrafts ☐
- Indian Universities ☐
- Personalities Related to Culture ☐
- Places of Cultural Interest ☐
- Fairs and Festivals in India ☐
- Cultural Institutions in India ☐
- Awards and Honours Associated with Culture ☐
- The Calendar ☐
- The Eras ☐
- Science and Technology in Ancient India ☐
- UNESCO's List of Cultural Heritage in India ☐
- Legal Provisions Related to the Protection and Promotion of Indian Culture and Heritage ☐

CONTEMPORARY ISSUES

□ INDIAN ART HERITAGE

- Coinage of India
- The Legacy of Devadasi Tradition
- Aadi Mahotsav & Empowerment of Tribal Communities
- Preserving India's Cultural Heritage
- The City of Dwarka and Indian Ancient Maritime Heritage
- Rich Tradition of Indian Miniature Painting.
- Nataraja statue: sengol
- Bronze art tradition from Indus valley to medieval times.
- Socio-Cultural Patterns and Practices of Pre-Historic age- Paintings and Potteries.
- Seals of Indus Valley

□ ARCHITECTURE

- Indian Temple Architecture-Enduring Legacy of cultural heritage and architectural magnificence
- Regional Styles of architecture- Contribution of Rajputs, Kashmir, Bengal, Kalinga styles etc.
- Indo-Islamic architecture-The marvel of Medieval India 12AD-17th AD
- Revamped 'Adopt a Heritage 2.0' Programme
- National Mission for Cultural Mapping
- JATAN: Virtual Museum Builder
- Indian Antiquities

□ PAINTING AND OTHER FORMS OF ART

- Panamalai paintings (Tamil Nadu)
- Cheriyal Scroll Painting
- Mewar school of Painting
- Gilgit Manuscripts
- Ol Chiki Script
- Phanigiri artefacts
- Vajra Mushti Kalaga
- Bagh print

- Inscription and Coin as source of History and Cultural Significance
- Garba
- Cham Lama Dance
- Kolkali Dance
- Pulikali Dance (Tiger Dance)

□ RELIGION AND PHILOSOPHY

- Adi Shankaracharya & his Philosophy
- Upanishads- Highest Point of Indian philosophical thoughts
- Rise of heterodox Sects- Buddhism, Jainism and Ajivikas
- New elements, Cults and Tantrism
- Bhakti Movement and Saints
- Brahmo Samaj
- Ramakrishna Mission
- Socio-Religious Reform Movements in 19th Century

□ HISTORY through Eyes of TRAVELLERS

- Ayodhya's historical narratives
- Chinese Pilgrim Travellers to India
- Arab Travelers and Cultural Encounters

□ Historical Sites/Places

- Keeladi Excavation
- Juna Khatriya site
- Chebrolu
- Menhirs
- Thoppikkallu or Hat stones
- Sundargarh Natural Arch
- Sisupalgarh
- Chandraketugarh
- Old Fort

□ Important Cultural Issues/ themes in News

- Kuli Language
- Military Systems in Ancient India
- Indentured Labourers

- UNESCO'S 2023 Prix Versailles
- Abhilekh Patal
- Homo Naledi
- Woman Odhuvar

□ IMPORTANT PERSONALITIES IN NEWS

- Rabindranath Tagore
- Mihir Bhoja
- Rani Durgavati
- Chhatrapati Shivaji Maharaj
- Sir Syed Ahmed Khan
- Maharishi Dayanand Saraswati
- Sri Aurobindo Ghosh
- Bhagwan Birsa Munda
- Sri Alluri Sitarama Raju
- Kazi Nazrul Islam
- Raja Ravi Varma
- Srimanta Sankaradeva
- Ahilyabai Holkar (1725-1795)
- Sree Narayan Guru 1856-1928)
- Sachchidananda sinha (1871-1950)
- Swami sahanand saraswati
- Malati Mem (aka Mangri Orang)
- Rukmini Lakshmipathi (1892-1951)
- Ashfaqulla Khan (1900-1927)
- Shri Ramalinga Swamigal





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GEOGRAPHY

PHYSICAL GEOGRAPHY

□ General Geography

● The origin of the Earth

- Early Theories ☐
- Modern Theories – BBT ☐
- Star Formation ☐
- Formation of Planets ☐
- Solar System ☐

● The Evolution of the Earth

- Layered Structure (5 layers) ☐
- Evolution of Lithosphere ☐
- Evolution of Atmosphere ☐
- Evolution of Hydrosphere ☐

● Origin of Life

● Geological History of the Earth

- Latitude and Longitude including important Parallels and Meridians ☐
- Motions of the Earth - Rotation, Revolution and their effects ☐
- Inclination of the Earth's Axis and its effects ☐
- Local and Standard Time and the International Date Line, Calendar ☐
- Eclipses - Solar, Lunar ☐

● Geological Time Scale ☐

□ Geomorphology

■ Interior of the Earth

- Sources of Information ☐
 - ◆ Direct ☐
 - ◆ Indirect - Earthquakes, Waves and Magnetic Field ☐
- Seismic waves ☐
 - ◆ Body waves ☐
 - ◆ Surface waves ☐

- ◆ Understanding earth's interior with help of seismic waves ☐

○ Internal Structure of earth ☐

- ◆ Crust ☐
- ◆ Lithosphere ☐
- ◆ Mantle ☐
- ◆ Asthenosphere ☐
- ◆ Outer core ☐
- ◆ Inner core ☐
- ◆ Seismic Discontinuities ☐

■ Geology

- Minerals ☐
- Major Elements of the Earth's Crust ☐

- ◆ Minerals – Feldspar, Quartz, Pyroxene Amphibole, Mica, Olivine ☐

- ◆ Physical Characteristics–Crystal Form, Cleavage Fracture, Lusture, Color, Streak, 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 ☐

○ 3 Family of Rocks ☐

- ◆ Igneous ☐

- ◆ Sedimentary ☐

- ◆ Metamorphic ☐

○ Rock Cycle ☐

■ Earthquakes

- Waves: P, S, Body & Surface ☐

- Shadow Zone ☐
- Types of Earthquakes ☐
- Causes of Earthquake ☐
- Effects ☐
- Frequency ☐
- Locating an Epicentre ☐
- Distribution of Earthquake ☐
- Earthquake Observatories ☐
- **Volcano**
- Types ☐
 - ♦ Shield ☐
 - ♦ Composite ☐
 - ♦ Caldera ☐
 - ♦ Flood Basalt ☐
 - ♦ Mid Ocean Ridge ☐
- Types of lava ☐
 - ♦ Andesitic or Acidic lava ☐
 - ♦ Basic or Basaltic lava ☐
- Intrusive volcanic Landforms ☐
 - ♦ Batholiths ☐
 - ♦ Lacoliths ☐
 - ♦ Lapoliths ☐
 - ♦ Phacoliths ☐
 - ♦ Sills ☐
 - ♦ Dykes ☐
- Extrusive Volcanic Landforms ☐
- Geysers and Hot springs ☐
- Extinct, Dormant and Active volcanoes ☐
- Distribution of Volcanoes ☐
 - ♦ Pacific Ring of Fire ☐
 - ♦ Mediterranean volcanism ☐
 - ♦ Other regions ☐
- Effects of Volcanoes ☐
- **Tsunami**
- Mechanism of Tsunami waves ☐
- Properties of Tsunami waves ☐
- Effects of Tsunami ☐
- **Geomorphic Processes**
- Earth's Surface ☐
 - ♦ Exogenic Forces ☐

- ♦ Endogenic Forces ☐
- ♦ Gradation, Degradation & Agradation ☐
- Geomorphic Process ☐
 - ♦ Endogenic Process ☐
 - ♦ Diastrophism ☐
 - ♦ Orogenic ☐
 - ♦ Epierogenic ☐
 - ♦ Earthquakes ☐
 - ♦ Plate movements ☐
 - ♦ Volcanism ☐
- Exogenic Forces ☐
- Denudation Processes ☐
- Weathering ☐
- Mass movements ☐
- Erosion: Transportation & Deposition ☐
- **Distribution of Continents & Oceans**
- Theories ☐
 - Continental Drift Theory ☐
 - ♦ Alfred Wegner 1912 ☐
 - ♦ Pangea, Panthalasa ☐
 - ♦ Laurasia, Gondwana land ☐
- Evidence in support of Continental Drift Theory ☐
 - Jigsaw Fit ☐
 - Rocks of same age across oceans ☐
 - ♦ Tillite ☐
 - ♦ Placer Deposits ☐
 - ♦ Distribution of Fossils ☐
 - Forces of Drifting ☐
 - ♦ Pole Fleeing Force ☐
 - ♦ Tidal Force ☐
 - Post Drift Studies ☐
 - ♦ Convectional Current Theory ☐
 - ♦ Mapping of the Ocean Floor ☐
- Continents – plate Tectonics ☐
 - Lithospheric Plates ☐
 - ♦ Major Plate ☐
 - ♦ Minor Plates ☐
 - Plate Boundaries ☐
 - ♦ Divergent ☐

- ◆ Convergent ☐
- ◆ Transform ☐
- Rates of Plate Movements ☐
- Force of plate movements ☐
- Indian Plate ☐
 - ◆ Movement from 71 million years ago till today ☐
- **Landforms and their Evolution**
- Causes ☐
- Geomorphic Processes ☐
- Agents ☐
- Geomorphic Agents
 - Erosional ☐
 - Depositional ☐
- Agents and their Impacts
 - Wind, Running Water, Ground Water, Glaciers, Waves & Currents ☐
- Winds
 - One of the Two dominant agents in Hot deserts ☐
 - Cause – Deflation Abrasion Impact ☐
 - Erosional landforms ☐
 - ◆ Pediments and Pediplains ☐
 - ◆ Playas ☐
 - ◆ Deflation Hollows and Caves ☐
 - ◆ Mushroom , Table & Pedestal Rocks ☐
 - Depositional Landforms ☐
 - ◆ Barchans ☐
 - ◆ Seif ☐
 - ◆ Parabolic ☐
 - ◆ Transverse ☐
 - ◆ Longitudinal ☐
- Running Water
 - Humid Regions ☐
 - 2 Components ☐
 - ◆ Overland Flow – Sheet ☐
 - ◆ Linear Flow – Streams ☐
 - Stages ☐
 - ◆ Youth, Mature, Old ☐
 - Erosional Landforms ☐
 - ◆ Valleys ☐
 - ◆ Rills ☐

- ◆ Gullies ☐
- ◆ Valleys – V Shape, Gorge (Hard Rocks), Canyon (Sedimentary) ☐
- ◆ Potholes & Plunge pools ☐
- ◆ Incised or entrenched meanders ☐
- ◆ River Terraces – paired & unpaired ☐
- Depositional Landforms ☐
 - ◆ Alluvial Fans ☐
 - ◆ Delta ☐
 - ◆ Floodplains, Natural Levees, Point Bars ☐
 - ◆ Meanders, Slip off bank, Under cut bank ☐
 - ◆ Oxbow lake ☐
 - ◆ Braided Channels ☐
- Ground Water (Karst Topography)
 - Permeable Rocks ☐
 - ◆ Percolation ☐
 - ◆ Bedding Plains ☐
 - Limestone and Dolomite Regions ☐
 - ◆ Balkans, Adjacent to Adriatic regions ☐
 - Erosional Landforms ☐
 - ◆ Polje, Swallow Hole, Valley Sinks (Uvalas), Sinkholes, Collapse sinks (Dolines), Lapies, Ridges, Limestone Pavements ☐
 - ◆ Caves – Altering bed of Rocks (Shale sandstone quartzite), Caves and Tunnels ☐
 - Depositional landforms ☐
 - ◆ Stalactites ☐
 - ◆ Stalagmites ☐
 - ◆ Pillar Columns ☐
- Glaciers
 - Erosional Landforms ☐
 - ◆ Cirque of Tarn Lakes ☐
 - ◆ Hors and Serrated Regions – Arete ☐
 - ◆ Glacial Valleys/ Troughs – Fiords ☐
 - Depositional Landforms ☐
 - ◆ Glacial Tills ☐
 - ◆ Moraines ☐
 - ◆ Eskers ☐
 - ◆ Outwash Planes ☐
 - ◆ Drumlins ☐

• Waves and Currents		♦ Biomes and Biodiversity	<input type="checkbox"/>
◦ High Rocky Coasts & Low Sedimentary Coasts	<input type="checkbox"/>	♦ Leaching/Enrichment	<input type="checkbox"/>
◦ Erosional Landforms	<input type="checkbox"/>	◦ Mass Movements	<input type="checkbox"/>
♦ Clifs	<input type="checkbox"/>	♦ Activating causes	<input type="checkbox"/>
♦ Terraces	<input type="checkbox"/>	♦ Forms of movement – Heave Flow Slide	<input type="checkbox"/>
♦ Caves	<input type="checkbox"/>	♦ 3 major Groups – Slow Movement, Rapid Movements, Land Slides	<input type="checkbox"/>
♦ Stacks	<input type="checkbox"/>	■ Landforms across the world:	
◦ Depositional Landforms	<input type="checkbox"/>	◦ Rivers and lakes	<input type="checkbox"/>
♦ Beaches and Dunes	<input type="checkbox"/>	■ Mountain & Peaks	
♦ Bars Barriers Spits	<input type="checkbox"/>	◦ Fold Mountain	<input type="checkbox"/>
• Weathering		◦ Block Mountain	<input type="checkbox"/>
◦ Weather over Earth Materials	<input type="checkbox"/>	◦ Volcanic mountains	<input type="checkbox"/>
◦ Factors	<input type="checkbox"/>	■ Plateaus	
♦ Geological	<input type="checkbox"/>	◦ Plateau Formation process	<input type="checkbox"/>
♦ Climatic	<input type="checkbox"/>	◦ Plateau Types	<input type="checkbox"/>
♦ Topographic	<input type="checkbox"/>	♦ Dissected plateau	<input type="checkbox"/>
♦ Vegetative	<input type="checkbox"/>	♦ Volcanic plateau	<input type="checkbox"/>
◦ Major Processes	<input type="checkbox"/>	◦ Economic significance of plateau	<input type="checkbox"/>
♦ Chemical	<input type="checkbox"/>	◦ Major plateau of the world	<input type="checkbox"/>
♦ Physical or Mechanical	<input type="checkbox"/>		
♦ Biological	<input type="checkbox"/>	□ Climatology	
◦ Chemical – Forces Chemical Action	<input type="checkbox"/>	■ Composition of Atmosphere	
♦ Solution	<input type="checkbox"/>	◦ Gases	<input type="checkbox"/>
♦ Carbonation	<input type="checkbox"/>	◦ Water Vapour	<input type="checkbox"/>
♦ Hydration	<input type="checkbox"/>	◦ Dust Particles	<input type="checkbox"/>
♦ Oxidation & Reduction	<input type="checkbox"/>	■ Structure	
◦ Physical Forces Gravitational, Expansion, Water Pressure	<input type="checkbox"/>	◦ Exosphere	<input type="checkbox"/>
♦ Unloading & Expansion	<input type="checkbox"/>	◦ Thermosphere	<input type="checkbox"/>
♦ Temperature changes and Expansion	<input type="checkbox"/>	◦ Mesosphere	<input type="checkbox"/>
♦ Freezing, Thawing, & Frost Wedging	<input type="checkbox"/>	◦ Stratosphere	<input type="checkbox"/>
♦ Salt Weathering	<input type="checkbox"/>	◦ Troposphere	<input type="checkbox"/>
◦ Biological Weathering	<input type="checkbox"/>	◦ Altitude vs Temperature	<input type="checkbox"/>
♦ Burrowing	<input type="checkbox"/>	■ Solar Radiation Heat Balance Temperature	
♦ Wedging	<input type="checkbox"/>	◦ Insolation	<input type="checkbox"/>
♦ Plant Roots	<input type="checkbox"/>	◦ Aphelion and Perihelion	<input type="checkbox"/>
♦ Effects of Weathering	<input type="checkbox"/>	◦ Variability of Insolation at the surface of the Earth	<input type="checkbox"/>
♦ Exfoliation (Flaking) – Exfoliation Domes, Tors	<input type="checkbox"/>	♦ Day Season Year	<input type="checkbox"/>
◦ Significance of Weathering	<input type="checkbox"/>	♦ Rotation on Axis, Angle of Inclination of sun rays, Length of the day	<input type="checkbox"/>
♦ Soil Formation	<input type="checkbox"/>		

- ◆ Transparency of Atmosphere, configuration of land in terms of its aspect ☐

■ Heat Balance

- Heating and cooling of atmosphere ☐
 - ◆ Conduction ☐
 - ◆ Convection ☐
 - ◆ Advection ☐
- Terrestrial Radiation ☐
- Heat Budget of the Planet Earth ☐
- Macro Budget ☐
 - ◆ Albedo ☐
 - ◆ Shortwave Radiation ☐
 - ◆ Long wave Earth Radiation ☐
- Variation in the net Heat Budget at the Earth's Surface ☐

■ Temperature(T)

- Factors controlling T distribution ☐
- Distribution of T Month of January-July ☐
- Range of T Month of January-July ☐
- Inversion of Temperature ☐

■ Atmospheric Circulation and Weather Systems

- Atmospheric Pressure ☐
- Vertical variation of pressure ☐
- Horizontal distribution of pressure ☐
- World Distribution of Sea Level Pressure ☐
- Factors affecting the velocity and direction of the WIND ☐
 - ◆ Pressure Gradient Force ☐
 - ◆ Frictional Force ☐
 - ◆ Coriolis Force ☐
 - ◆ Pressure and Wind (Cyclonic & Anticyclone Circulation) ☐

■ General Circulation of the Atmosphere – Pattern of Planetary Winds

- Latitudinal Variation of Atmospheric Heating ☐
- Emergence of Pressure Belts ☐
- Migration of Belts Following apparent Path of Sun ☐

- Distribution of continents & Oceans ☐
- Rotation of the Earth ☐

■ Circulation

- Simplified Global Circulation – Hadley Cell, Ferrel Cell, Polar cell ☐
- Seasonal Wind ☐
- Local Wind ☐
- Land and Sea Breezes ☐
- Mountain and Valley winds ☐

■ AIR MASS

- Fronts ☐
- Extra Tropical Cyclone ☐
- Thunderstorms ☐
- Tornadoes ☐

■ Water in the Atmosphere

- Water Vapour ☐
- Precipitation ☐
- Humidity – Absolute and Relative ☐
- Saturation – Dew Point ☐
- Evaporation and Condensation ☐
 - ◆ Dew ☐
 - ◆ Frost ☐
 - ◆ Fog & Mist ☐
- Clouds ☐
 - ◆ Types – Cirrus Cumulus Stratus Nimbus ☐
 - ◆ High – Cirrus Cirrostratus Cirrocumulus ☐
 - ◆ Middle – Altostratus Altocumulus ☐
 - ◆ Low – Stratocumulus Nimbostratus ☐
 - ◆ Vertical Development – Cumulus and Cumulonimbus ☐
- Precipitation ☐
 - ◆ Rainfall Snowfall Sleet Hail Hailstones ☐
- Types of Rainfall ☐
 - ◆ Conventional ☐
 - ◆ Orographic ☐
 - ◆ Cyclonic ☐
 - ◆ Frontal ☐
 - ◆ Monsoonal ☐

- World Distribution of Rainfall ☐

■ Tropical Cyclone

- Conditions required for formation ☐
 - ◆ Tropical Cyclone ☐
- Convective cyclogenesis (Development of Tropical Cyclone) ☐
- Path of Tropical Cyclone ☐
- Damage associated with Cyclone ☐
- Arabian Sea Cyclone ☐
- Naming of Tropical Cyclone ☐
- Early warning system for tropical Cyclone ☐

■ Jet Streams

- Features of Jet streams ☐
- Types ☐
 - ◆ Permanent ☐
 - ◆ Temporary ☐
- Influence of Jet streams on weather ☐
- Jet streams and aviation ☐

■ Temperate Cyclones

- Air masses ☐
- Fronts ☐
- Origin and development of Temperate Cyclone ☐
- Comparison between Tropical and Temperate Cyclone ☐

■ Polar Vortex

- Polar vortex details ☐
- Polar vortex and Ozone depletion ☐

■ El Nino and La Nina

- ENSO ☐
- Indian Ocean dipole effect ☐
- Effect on regional and world climate ☐
- Effect of these events on Indian Monsoon ☐

■ World Climate

- The Hot, Wet Equatorial Climate ☐
- The Tropical Monsoon and Tropical Marine Climates ☐
- The Savanna or Sudan Climate ☐
- The Hot Desert and Mid-Latitude ☐

- Desert Climates ☐
- The Warm Temperate Western Margin (Mediterranean) Climate ☐
- The Temperate Continental (Steppe) Climate ☐
- The Warm Temperate Eastern Margin (China Type) Climate ☐
- The Cool Temperate Western Margin (British Type) Climate ☐
- The Cool Temperate Continental (Siberian) Climate ☐
- The Cool Temperate Eastern Margin (Laurentian) Climate ☐
- The Arctic or Polar Climate ☐

□ Oceanography

■ Water on the Surface of the Earth

- Hydrological Cycle ☐
 - ◆ Component ☐
 - ◆ Processes ☐

■ Oceans

- Relief of the Ocean floor ☐
- 4 divisions of the ocean floor ☐
 - ◆ Continental Shelf ☐
 - ◆ Continental Slope ☐
 - ◆ Deep sea plain ☐
 - ◆ Oceanic deep and Trenches ☐
- Minor relief features ☐
 - ◆ Mid oceanic ridges ☐
 - ◆ Seamount ☐
 - ◆ Submarine canyons ☐
 - ◆ Guy outs ☐
 - ◆ Atoll ☐

■ Temperature of the Ocean Water

- Vertical ☐
- Spatial ☐
- Factors affecting Temperature distribution ☐
- Horizontal & Vertical Distribution ☐
 - ◆ Thermocline - 3 layers ☐

■ Salinity of the Ocean Water

- Factors affecting salinity ☐
- Vertical Distribution of salinity ☐
- Density of Ocean Waters ☐

■ Movements of ocean Water

- Factors influencing Movement ☐
- Motion – Horizontal & Vertical Currents ☐
- Waves ☐
 - ◆ Motion of waves and water molecules ☐
 - ◆ Characteristics of Wave ☐
- Relation between Gravitational Forces and Tides ☐
 - ◆ Tidal currents ☐
 - ◆ Types of Tides ☐
 - ◆ Based on Frequency ☐
 - ◆ Based on SME position ☐
- Importance of Tides ☐
- **Ocean Currents**
 - Influenced by 2 forces ☐
 - Primary Force that initiates the movement ☐
 - Secondary force that influence the currents to flow ☐
 - Characteristic ☐
 - Types of ocean currents ☐
 - ◆ Surface currents & Deep water currents based on Depth ☐
 - ◆ Cold and Warm Currents based on Temperature ☐
 - Major Ocean currents of the World ☐
 - Effects of Ocean Currents ☐
 - Desert formation and Ocean currents ☐
 - Atlantic Meridional Overturning Circulation ☐
- **Resources from the Ocean**
 - Ocean deposits ☐
 - ◆ Terrigenous Deposits ☐
 - ◆ Pelagic deposits ☐
 - Mineral resources on deep sea floor ☐
 - Energy resources ☐
 - Biotic resources ☐
 - Deep ocean mission ☐
 - UNCLOS ☐
 - ◆ Territorial Waters ☐
 - ◆ Contiguous Zone ☐
 - ◆ Exclusive Economic Zone ☐
 - ◆ High Seas ☐

□ **Biogeography**

■ **Soil**

- Soil Characteristics ☐
- Factors Responsible for Soil Formation ☐
- Stages of Soil Formation ☐
- Soil Forming Processes ☐
- Soil Profiles and Horizons ☐
- Soil Classification ☐
- Soil Erosion and Conservation ☐

■ **Vegetation Resources**

- Types of Natural Vegetation ☐
- Forests ☐
 - Significance of forests ☐
 - ◆ Economic significance ☐
 - ◆ Ecological significance ☐
 - ◆ Cultural significance ☐
 - Factors of forest development ☐
 - Extent of forest cover ☐
 - Classification of forests ☐
 - ◆ Grasslands ☐
 - ◆ Desert vegetation ☐
 - ◆ Tundra Vegetation ☐
 - Economic utilization of forests ☐
 - Deforestation ☐
 - ◆ Deforestation in tropical forests ☐
 - ◆ Deforestation in temperate forests ☐
 - ◆ Rate and extent of deforestation ☐
 - ◆ Causes and factors of deforestation: Immediate causes of deforestation ☐
 - ◆ Indirect deforestation ☐
 - ◆ Underlying causes of deforestation ☐
 - Conservation of forests ☐
 - ◆ Forest conservation strategies ☐
 - ◆ Reforestation ☐
 - ◆ Monoculture plantation ☐
 - ◆ Afforestation ☐
 - Types of forestry ☐
 - ◆ Social forestry ☐
 - ◆ Agro-forestry ☐
 - ◆ Miyawaki Method ☐

PHYSICAL GEOGRAPHY OF INDIA

□ Physiography of India

- Location ☐
- Geopolitical Significance of India ☐
- Geological Divisions ☐
- The Peninsular Block ☐
- The Himalayas and other Peninsular Mountains ☐
- Indo-Ganga-Brahmaputra Plain ☐
- Physiographic Divisions ☐

□ Drainage System

- Drainage Patterns ☐
- Drainage System of India ☐
- Himalayan Drainage System ☐
- River Systems of Himalayan Drainage ☐
- Indus river system ☐
- Ganga River System ☐
- Brahmaputra river system ☐
- River Systems of Peninsular Drainage ☐
- Small Rivers Flowing Towards East and West ☐

□ Climate

- Factors influencing the climate of India ☐
- Monsoon ☐

- Mechanism of the Monsoon ☐
- Classical Theory ☐
- Modern theory ☐
- Air mass theory ☐
- Jet stream theory ☐
- EL-NINO and LA-NINA & their impact ☐
- The rhythm of Seasons ☐
- The cold weather season ☐
- The hot weather season ☐
- The southwest monsoon season ☐
- The retreating monsoon season ☐
- Climatic Regions of India ☐

□ Soils in India

- Classification of Soils ☐
- Soil textures ☐
- Issue of Soil degradation & Soil Erosion ☐
- Soil Conservation ☐

□ Natural Vegetation

- Types of Forests in India ☐
- Forest Cover in India ☐
- Forest Conservation ☐
- Forest Problems in India ☐

HUMAN GEOGRAPHY

□ Demography

- Concept of Human Resources ☐
- Population Distribution ☐
- Factors of Population Distribution ☐
 - Physical factors ☐
 - Socio-cultural factors ☐
 - Demographic factors ☐
- World population distribution ☐
- Continent-wise distribution of ☐

population

- Density of population ☐
- Pattern of population density ☐
- Causes of rapid increase in population ☐
- Determinants of population growth ☐
- Characteristics of population ☐
- Age composition ☐
- Population pyramids ☐
- Sex composition ☐

- Literacy ☐
- Theories of population growth ☐
- Malthusian theory ☐
- Marxian theory ☐
- Demographic transition theory ☐
- Population problems ☐
- Population problems of developing countries ☐
- Population problems of developed countries ☐
- Population dilemma of Europe ☐
- Population Policies of China and India ☐
- Various types of rural settlements ☐
- Relationship between house types with relief, climate and building materials ☐
- Rising Youth Population ☐

□ **Urbanization**

- Basic Feature and Pattern of India's Urbanization ☐
- Issues of Urbanization in India ☐
- Rural Urban Migration ☐
- Emergence of Slums ☐
- Urban Transport ☐
- Waste Disposal ☐
- Water Supply, Drainage and Sanitation ☐
- Urban Poverty ☐
- Real Estate (Regulation & Development) Act, 2016 ☐
- Way Forward to Tackle Issues Related to Urbanization ☐
- Inclusive Cities/Smart cities ☐
- Recent government programmes: ☐
- Migration & Reverse Migration ☐
- Displacement ☐
- Importance of the Rehabilitation Policy ☐
- Urban settlements: types ☐
- Urbanisation process in India ☐
- Morphology of urban settlements ☐
- Town planning and patterns of rural settlement ☐
- Settlement types of the world ☐

- Migration: Push factors and pull factors ☐
- Emigration during colonial, post-independent and post-liberalisation period ☐
- Internal versus world migration ☐
- Functional classification of cities ☐
- Difference between boundaries and frontiers, their classification ☐
- Rural urban fringe characteristics, advantages, problems ☐
- National urbanisation policy ☐
- Principles of urban planning ☐
- Land cover transformation ☐
- Factors affecting rural settlements, their types and patterns ☐
- Cities – hierarchical classification, morphological classification ☐

□ **Census**

- Literacy ☐
- Sex ratio ☐
- Family Planning ☐
- Ageing Population ☐
- Age Structure ☐
- Density ☐
- Population growth ☐
- Census terminology ☐
- Caste Census Issues ☐

ECONOMIC GEOGRAPHY

□ Agriculture

■ Land Resource

- Land-use ☐
- Land capability classification ☐
- Causes of Land Degradation ☐
- Impact of Land Degradation ☐
- Steps taken by GOI ☐
- Sustainable Land Management ☐

■ Basic terms related to Agriculture

- Performance of the agriculture sector ☐
- Types of farming in India ☐
- Cropping seasons in India ☐
- Cropping Pattern in India ☐
- Agriculture regionalization ☐
- Infrastructure factors: Seeds; Fertilizers; Irrigation ☐
- Land use pattern in India ☐
- Institutional Factors as land reform ☐
- Horticulture sector in India ☐
- Agricultural revolutions ☐
- Agricultural labours ☐
- Price Policy for Agriculture ☐
- Agricultural marketing ☐
- Agricultural Insurance ☐
- Agricultural Census ☐
- Major schemes in agricultural sector ☐
- National Policy for farmers ☐
- Impact of climate change on agriculture ☐
- What is sustainable agriculture? ☐
- Use of IT in agriculture ☐
- Agriculture Issues and Challenges ☐

■ Productivity of Crops and conditions for growth

- Wheat ☐
 - ◆ Conditions of growth ☐
 - ◆ Varieties ☐
 - ◆ Types of cultivation ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐

- Rice ☐
 - ◆ Conditions of growth ☐
 - ◆ Varieties ☐
 - ◆ Methods of cultivation ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
- Maize (Corn) ☐
 - ◆ Conditions of growth ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
- Barley ☐
 - ◆ Conditions of growth ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
 - ◆ Oats ☐
 - ◆ Rye ☐
 - ◆ Beverages ☐
- Tea ☐
 - ◆ Condition of growth ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
- Coffee ☐
 - ◆ Types of coffee ☐
 - ◆ Conditions of growth ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
- Cocoa ☐
 - ◆ Conditions of growth ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
- Tobacco ☐
 - ◆ Conditions of growth ☐
 - ◆ Production pattern ☐
 - ◆ International trade ☐
- Fibre Crops ☐
 - ◆ Cotton ☐
- Varieties of cotton ☐
- Conditions of growth ☐
- Production pattern ☐

- International trade ☐
- ◊ Jute ☐
- Conditions of growth ☐
- Production pattern ☐
- International trade ☐
- Substitutes of Jute: Flax, Hemp ☐
- Abaca, Henequeno ☐
- Sisal ☐
- ◊ Raw Silk ☐
- Production pattern ☐
- International trade ☐
- ◊ Natural Rubber ☐
- ◊ Other sources of rubber ☐
- ◊ Plantations in South-east Asia ☐
- ◊ Production pattern ☐
- ◊ International trade ☐
- ◊ Sugarcane ☐
- ◊ Conditions of growth ☐
- ◊ Production pattern ☐
- ◊ International trade ☐
- ◊ Sugarbeet ☐
- ◊ Conditions of growth ☐
- ◊ Production pattern ☐
- ◊ Sugar industry ☐
- ◊ Sugar consumption ☐
- ◊ International trade ☐

■ Water Resource

- Underground water resource ☐
- Surface water resources ☐
- Inland water resources: Utilization of inland water resources ☐
- Oceanic water resources: Main features of ocean ☐
- Utilization of oceans by man ☐
- Water consumption patterns ☐
- Water pollution ☐
- Conservation of water resources ☐
- Techniques of water conservation ☐
- River Interlinking Projects ☐
- The problem of ageing dams ☐

□ Mineral resource

- Types of minerals ☐
- Metallic minerals ☐
- Non-metallic mineral ☐
- Distribution of minerals and mining regions ☐
- Distribution, production and international trade of Metallic minerals: Ferrous metals: Iron ore ☐
- Ferro-alloys and non-ferrous ☐
- Manganese ☐
- Chromium ☐
- Nickel ☐
- Tungsten ☐
- Antimony ☐
- Copper ☐
- Bauxite and Aluminium ☐
- Zinc; Lead ☐
- Tin ☐
- Precious metals: Gold ☐
- Silver ☐
- Platinum ☐
- Mineral chemicals ☐
- Mica ☐
- Potash ☐
- Phosphate ☐
- Nitrates ☐
- Sulphur ☐
- Conservation of mineral resources ☐

□ Energy resources

- Classification of energy ☐
- Production of conventional energy ☐
- General trends of energy production and consumption ☐
- Reserves and sources of energy ☐
- Coal ☐
- Nature and origin of coal ☐
- Constituents and kinds of coal ☐
- Coal fields and coal production ☐
- By products of coal ☐
- Conservation of Coal ☐
- Petroleum ☐
- Nature and properties of petroleum ☐

• Origin and recovery	<input type="checkbox"/>	• Iron And Steel Industry	<input type="checkbox"/>
• Exploration	<input type="checkbox"/>	• Process of iron and steel production	<input type="checkbox"/>
• Petroleum refining	<input type="checkbox"/>	• Location of iron and steel industry	<input type="checkbox"/>
• Petroleum reserves	<input type="checkbox"/>	• Early localization	<input type="checkbox"/>
• Producing areas	<input type="checkbox"/>	• Distribution of iron and steel industry	<input type="checkbox"/>
• Consumption of petroleum	<input type="checkbox"/>	• Global steel production	<input type="checkbox"/>
• International trade	<input type="checkbox"/>	• International trade	<input type="checkbox"/>
• OPEC and its role in oil trade	<input type="checkbox"/>	• Growth potential of the steel industry	<input type="checkbox"/>
• Natural gas: Reserves and Production	<input type="checkbox"/>	• Textile Industry	<input type="checkbox"/>
• Hydro-electricity	<input type="checkbox"/>	• Cotton textile industry: Location of the industry	<input type="checkbox"/>
• Advantages of hydro-electricity	<input type="checkbox"/>	• Recent trends in localization	<input type="checkbox"/>
• Ideal conditions for generation of hydro-electricity	<input type="checkbox"/>	• Distribution and production of cotton textiles	<input type="checkbox"/>
• Distribution of potential hydro-power	<input type="checkbox"/>	• Woollen textile industry: Location of the industry	<input type="checkbox"/>
• Hydro-electric Power Generation	<input type="checkbox"/>	• Silk textile industry: Raw silk manufacture	<input type="checkbox"/>
• Atomic (Nuclear) Energy	<input type="checkbox"/>	• Silk textile manufacturing	<input type="checkbox"/>
• Atomic: source minerals: Uranium	<input type="checkbox"/>	• Synthetic (artificial) silk industry	<input type="checkbox"/>
• World distribution of uranium	<input type="checkbox"/>	• Distribution of man-made fibre and fabrics	<input type="checkbox"/>
• Production of uranium	<input type="checkbox"/>	• Engineering Industries	<input type="checkbox"/>
• Thorium	<input type="checkbox"/>	• Machine tools and machines: Areas of production	<input type="checkbox"/>
• Production of Atomic (Nuclear) Energy	<input type="checkbox"/>	• Industrial machinery: Textile machinery	<input type="checkbox"/>
• Nuclear Energy: the energy of future	<input type="checkbox"/>	• Other industrial machinery	<input type="checkbox"/>
• Alternative (non-conventional)	<input type="checkbox"/>	• Agricultural machinery	<input type="checkbox"/>
• Sources of energy	<input type="checkbox"/>	• Manufacturing of transport equipment	<input type="checkbox"/>
• Renewable Energy	<input type="checkbox"/>	• Automobile industry	<input type="checkbox"/>
• Solar Energy	<input type="checkbox"/>	• Railway car and locomotive industry	<input type="checkbox"/>
• Wind Energy	<input type="checkbox"/>	• Shipbuilding Industry	<input type="checkbox"/>
• Geothermal Energy	<input type="checkbox"/>	• Aircrafts industry	<input type="checkbox"/>
• Tidal Energy	<input type="checkbox"/>	• Chemical Industry	<input type="checkbox"/>
• Wave Energy	<input type="checkbox"/>	• Classes of chemicals: Branches of chemical industry	<input type="checkbox"/>
• Biomass Energy	<input type="checkbox"/>	• Heavy chemical industry	<input type="checkbox"/>
• Alternate Energy Sources	<input type="checkbox"/>	• Production of acids and alkalies	<input type="checkbox"/>
• Hydrogen as a Fuel for Future	<input type="checkbox"/>	• Rise of chemical industry	<input type="checkbox"/>
• Hydrogen as an Alternative Energy Source	<input type="checkbox"/>	• Fertilizer industry: Nitrogen fertilizers	<input type="checkbox"/>
• Microbial Fuel Cell	<input type="checkbox"/>	• Phosphate fertilizers	<input type="checkbox"/>
• Energy Context with Respect to Indian Scenario	<input type="checkbox"/>	• Potash fertilizers	<input type="checkbox"/>
• Energy Plantation	<input type="checkbox"/>	• Explosives	<input type="checkbox"/>
• Energy crisis	<input type="checkbox"/>		
<input type="checkbox"/> Industry			
• Industrial development	<input type="checkbox"/>		

- Glass industry: Production of glass ☐
- Agro-industries ☐
- Synthetic rubber industry ☐
- Pulp and paper industry: Essential Conditions for pulp production ☐
- Production of paper and paper board ☐
- International trade ☐
- Salient features of pulp and paper industry ☐
- Cement industry ☐
- Distribution of cement industry ☐
- Recent trends: Main global competitors ☐
- Petroleum refining industry: Localization ☐
- Site selection of petroleum refineries ☐
- History of oil refineries ☐
- World pattern of oil refining ☐
- Petroleum products ☐
- Industrial Regions ☐
- Characteristics of industrial regions ☐
- Delimitation of an industrial region ☐

- Principal industrial regions of the world ☐
- Industrial regions of Anglo America ☐
- Former USSR ☐
- Eastern Asia—Japan, China, the 'Dragons', India, High tech patterns. ☐

□ **Transport and Communication**

- Modes of Transportation ☐
 - Land Transport ☐
 - Roads ☐
 - Railways ☐
 - Water Transport ☐
 - Air Transport ☐
 - Sea Routes ☐
 - Shipping Canals ☐
- Inland Waterways ☐
- Pipelines ☐
- Regional Rapid Transit System 1 ☐
- Odisha's coastal highway ☐
- AERA Act amendment – Way to boost up Air transport ☐

CONTEMPORARY ISSUES

□ **Physical Geography**

- Subaerial volcanic Eruption: Phenomena and Impact
- Supervolcanos: Concept and Impact
- Volcanoes of Island Arcs: Recent eruptions of Indonesia
- Fissure Volcanic Eruption: Impact and Consequences
- Geomagnetic Storm and Auroras
- Indian ocean warming and Climate Change
- Mid-oceanic Ridges and Biodiversity (Salas y Gómez)
- Pacific Weather Changing: More Multi-Year El Nino and La Nina
- Volcanic Vortex Rings
- Oceanic Nino Index
- Pacific 'Ring of Fire' and Earthquakes
- Sea swells and their impact on Human Settlements
- Rip currents: Significance for beaches
- Alpenglow Phenomenon
- Earthquakes and Ionosphere: Interrelated Geophysical Phenomena
- Impact of climate change on ocean currents
- Cryosphere and Climate change
- Atmospheric River
- Lightning in India
- Marine Heatwave and its Impacts
- The Slowdown in Overturning Circulation
- Africa's Rift Valley and the Creation of a New Ocean Basin

□ Indian Geography

- Cyclones of Bay of Bengal and Climate Change
- El Nino and Indian Monsoon
- Dam construction on Indus rivers: Prospects and challenges
- Receding glaciers in Himalayas: Issues and Challenges
- Indian Ocean Dipole: Impact on Indian weather
- Increasing landslides in Himalayan region
- Tectonic Deformation in Northern Plains
- Land Subsidence in Chenab Valley
- Heat Waves, Anticyclones and Global Warming in India
- Expanding Glacial Lakes in the Himalayas
- Integrated River Basin Management: Prospects and Challenges
- Changing Western Disturbances

□ Economic Geography

- Shinku La tunnel development and Regional connectivity
- Food security in Sub-Saharan region of Africa
- Mineral resources of Antarctica – A Mineral hub of Gondwanaland
- Minerals of Mid-oceanic ridges
- Exclusive economic zones and minerals deposits
- Hydrocarbon extraction: Prospects and Challenges
- Indian Ports and Economic development
- Africa's Afar Triangle
- India's mineral exploration in Sea bed (Afanasy Nikitin Seamount)

- Shrinking water in reservoirs in India
- Geopolitics of South China Sea
- Multipurpose project and Regional development
- Wind Energy in India: Potential and Challenges
- Petroleum oil production: Issues and Challenges
- Critical Minerals: Distribution, Prospects and challenges
- Eastern Maritime Corridor(EMC): Prospects and challenges
- Declining Groundwater in India: Issues and challenges
- Increased Coal demand and Net Carbon Neutrality
- Rare Earth Metals: Prospects and Challenges

□ Human Geography

- Indian Demography: Largest, Youngest and Underdeveloped
- Urban Flooding: Issues and Challenges
- Menace of Illegal Migration in India and World
- Surge in Human Settlements in Flood-Prone Areas
- Issues with Tribal habitat in India
- Migration in India: Changing pattern and dynamics
- Low Human Development in India
- Climate change and North-South Divide in India
- Social Capital in India
- Quality of Life and Standard of Living in India: A Paradoxical case
- Population compositing of India: Changing Dynamics



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INDIAN SOCIETY

INDIAN SOCIETY

□ Salient features of Indian society

- Features of Indian society ☐
- Changes within Indian society and their repercussions ☐
- Causes of changes ☐
- Indian Society today ☐

□ Diversity of India

- What is diversity? ☐
- Types of diversities in India ☐
- Can diversity be equated with difference? ☐
- The unity in diversity- a reality or a chimera ☐
- Manner of reconciliation ☐

□ Role of women's organizations

- Women's organizations in Indian history ☐
- Types of women's organizations ☐
- Level of penetration ☐
- Problems faced by women's organizations ☐
- Is a larger vocal role possible and ways to achieve the same ☐
- Role of SHGs, Micro finance Institutions ☐

□ Poverty and Development Issues

- Poverty ☐
- Concept of development ☐
- Sen vs Bhagwati model ☐
- Crisis of development ☐
- Certain case studies ☐

- Government's initiatives and the five year plans ☐
- Role of civil society organizations ☐

□ Effects of globalization on Indian society

- What is the meaning of globalization ☐
- Kinds of impact of globalization – economic, political, developmental and socio-cultural ☐
- Is the impact solely positive or negative ☐

□ Social empowerment

- Meaning and concept of social empowerment ☐
- Why do we need social empowerment? ☐
- Social empowerment through the five year plans ☐
- Government's initiatives for empowerment ☐
- Empowerment in reality and India's experience ☐
- Other approaches/players/tools for social empowerment and some case studies on the same ☐

□ Communalism

- Meaning and concept of communalism ☐
- Historicity of communalism ☐
- Recent incidents ☐
- Role of third parties in inciting/ perpetrating communalism ☐
- Communalism under the law ☐
- Can communalism eradicated from the Indian society completely ☐

□ Secularism

- Meaning and concept of secularism ☐
- Secularism through the vantage point of Indian Constitution ☐
- Comparisons of models Indian & Western ☐
- Gandhiji on religion ☐
- Indian philosophy on secularism ☐
- Threats on the secular spirit ☐
- Is the Indian democracy mature enough to handle the gravity of secularism ☐

□ Regionalism

- Meaning and concept of regionalism ☐
- Theories on regionalism ☐
- Regionalism in its various manifestations ☐
- Role of various players ☐
- Recent incidents causing a wave of flurry ☐
- Possible ways to tackle the same ☐

CONTEMPORARY ISSUES

□ Marriage

- Validity of Hindu Marriages
- Live-in Relationship in Indian Society
- Raising Legal Age for Marriage
- Menace of Girl-Child Marriage in India

□ Women and Related Issues

- Hysterectomies in India
- Equal Participation of Women in Workforce
- Impact of Non-Participation of Married Women in the Workforce in India
- Gender Disparities in Poverty
- Women in Corporate Roles in India
- Abortion Rights
- Growth & Women's Marriage Age
- Gender Digital Divide in India
- Menstrual Hygiene in Indian Prisons
- Surrogacy Rules in India
- Women in Waste Management Sector
- Women MPs in Lok Sabha
- Surrogacy in india
- Abortion Law in India
- Marital Rape: An Indignity to Women
- Domestic Violence Against Women
- Women in Stem
- Sexual Harassment at Workplace
- Menstrual Hygiene in India
- Female Entrepreneurs in India
- NFHS 5: A Women-Centric Analysis

- Keeping Girls In School
- Ramani Judgment
- Water, Sanitation & Women's Rights
- Women Led Development Model

□ CHILDREN

- Child Labour
- Child Adoption
- Juvenile Justice (Care and Protection of Children) Act,2015
- Child Trafficking in India
- Age of Consent

□ OTHER VULNERABLE SECTIONS

- Tribal Welfare: Denotified tribes (DNTs)
- Supreme Court Judgement on LGBTQIA+Rights: Transgender Rights
- Person with Disabilities (PwDs)
- Manual Scavenging
- Marginalisation of Sexual Minorities

□ EDUCATION

- Public Schools in India
- NIPUN Bharat Mission
- Anusandhan National Research Foundation (NRF)Act,2023
- National Curriculum Framework for school Education (NCF-SE)
- Performance Grading Index (PGI) for School Education System

- Higher education in india:
- Deemed to be Universities (DTBU)
- Foreign Higher Educational institutions in India
- National Credit Framework (NCRF)
- Accreditation of Higher Education Institutions

□ HEALTH

- NATIONAL FAMILY HEALTH SURVEY 5 REPORT
- Renewed Healthcare System
- One Health Concept

□ NUTRITION AND SANITATION

- GLOBAL HUNGER INDEX (GHI)
- OPEN DEFECATION FREE (ODF) STATUS
- Nutritional Security Through Food Fortification

□ POPULATION & ASSOCIATED ISSUES

- Deaths by Suicide in India
- Great Replacement Theory
- Population Crisis in Asian Nations
- Manual Scavenging, India's "dirtiest job"
- Impact of Globalization on Indian Society
- Communalism and Its Impact on Indian Society
- Westernisation of Societal Norms
- Child Marriage
- Caste-based Violence
- Social Inequalities in Disasters
- Need For Caste Census
- Controlling Population: A Double Edged Sword
- Human Migration: Reasons & Impact
- Silver Economy
- Initiatives for Elderly in India:
 - SACRED Portal
 - SAGE (Seniorcare Aging Growth Engine)
 - Elder Line
 - Integrated Programme for Older

Persons (IPOP)

- Rashtriya Vayoshri Yojana (RVY)
- Indira Gandhi National Old Age Pension Scheme (IGNOAPS)
- The Pradhan Mantri Vaya Vandana Yojana
- Vayoshreshtha Samman
- Maintenance and Welfare of Parents and Senior Citizens (MWPSC) Act, 2007

□ SECULARISM

- Education and Secularism
- Extremism
- Consent among Teenagers
- Disparities in Education Outcomes in India
- Role of Religion & Patriarchy

□ MISCELLANEOUS

- Old Age Care
- Rag-Pickers in India
- The Link between Caste and Manual Scavenging
- Occupational Safety and Health
- State of Prisons in India
- Killing Inequality
- Migrant Workers and Urban Housing
- Socio-Economic Inequality in India
- Climate Change and Food Insecurity
- MGNREGA Delay in Payments
- Policy Action Against Drug Abuse
- Social Media and Youth
- Reimagining Global Food Systems
- Disease Surveillance System
- Good' Urbanisation
- e-Shram Portal: Scope of Improvement
- Localising SDGs
- Need For Urban Social Safety
- India and Food Insecurity
- Digital Challenge For Civil Society
- Registration of Migrant Workers
- One Nation One Ration Card Scheme
- Child Labour In India
- Inequalities in Digital World
- Food Wastage Issue
- Universal Social Welfare
- Human Development Index

POLITY

□ Historical Evolution & Features

- Importance of Constitution ☐
- Historical evolution of the Constitution ☐
- Constituent Assembly ☐
- Objectives of the Constitution ☐
- Salient features of Indian Constitution ☐
- Unitary features ☐
- Federal features ☐
- Parliamentary form of government ☐
- Presidential form of government ☐
- Parliamentary vs. Presidential system of government ☐

□ Preamble

- Preamble ☐
- Basic features ☐
- Value premises of constitution ☐
- Terminologies as: ☐
 - Democratic ☐
 - Sovereign ☐
 - Socialist ☐
 - Secular ☐
 - Republic ☐
 - Justice ☐
 - Equality ☐
 - Liberty ☐
 - Fraternity ☐
 - Integrity ☐
- Amendability of the Preamble ☐

□ Citizenship

- Basic constitutional features ☐
- Methodology of getting citizenship ☐
- Modes of Losing the Citizenship of ☐

India

- Concept of dual citizenship ☐
- Citizenship provisions in J&K ☐
- Special privileges enjoyed by citizens in India ☐
- Overseas Citizens of India (OCI) and Persons of Indian Origin (PIOs) ☐

□ Fundamental Rights

- Significance of Fundamental Rights ☐
- What is State? ☐
- Right to Equality ☐
- Right to Freedom ☐
- Right against Exploitation ☐
- Right to Freedom of Religion ☐
- Cultural and Educational Rights ☐
- Right to Constitutional Remedies ☐
- Fundamental Rights and Armed Forces ☐
- Martial Law & Fundamental Rights ☐
- Difference between procedure established by law and due process of law ☐
- Writs and their uses ☐
- Restrictive limitations on fundamental rights ☐
- Rights outside Part III of the Constitution ☐
- Dynamic Nature of Article 32 ☐
- Need of Revitalizing Indian Reservation System ☐

□ DPSP

- Basic features ☐
- Economic and Social DPSP ☐
- Gandhian DPSP ☐
- Administrative DPSP ☐

- DPSP related to International Peace ☐
- Implementation of DPSP ☐
- Fundamental Rights and the Directive Principles of State Policy Controversy ☐
- Directives outside Part IV of the Constitution ☐
- Application of Uniform Civil Code in India ☐

□ **Fundamental Duties**

- Features ☐
- Link of Fundamental Rights and Fundamental Duties ☐

□ **Other Principles**

- Process of law making in India ☐
- Role of Constitutional and extra constitutional bodies in law making ☐
- Basic structure: How it evolves? ☐
- Different types of majorities required in Indian Constitution ☐
- DPSP v. Fundamental Rights ☐
- Doctrines & Terminologies ☐

□ **Separation of Powers**

- Features in American and UK Constitution ☐
- Checks and balances provisions in Indian Constitution ☐
- Judicial Review ☐
- Concept of Separation of Powers ☐

□ **Comparison of the Indian constitutional scheme with that of other countries**

- It should cover comparison of USA, UK, France, India and neighbours ☐

□ **Union & States**

- State Reorganization Commission (brief) ☐
- Components of Indian territory ☐
- Process of formation of new states ☐
- Zonal Councils ☐
- Union territories ☐
- Special provisions for states ☐
- Scheduled and Tribal Areas ☐

□ **Functions and responsibilities of the Union and the States**

- Regulating functions of Government ☐
- Development functions of government ☐
- Service providing functions of government ☐
- Problems in implementation ☐
- Recommendations for improvement ☐
- Interrelationship between union, state and local government in implementation of roles ☐
- Constitutional provisions related to financial devolution ☐
- Issues of financial devolution ☐

□ **Issues and challenges pertaining to the federal structure**

- Administrative relations ☐
- Legislative relations ☐
- Financial relations ☐
- Emergency Provisions and Misuse of Article 356 ☐
- Inter-State relations ☐
- Issues related to Union List, State List & Concurrent List ☐
- Issues related to appointment of Governor ☐
- Issues related to state formation ☐
- Poor devolution of finances ☐
- Reserving bill for Presidential approval ☐
- Central sponsored schemes and issues ☐
- Special package for different states ☐
- Issues between Centre and State after 1990 reforms ☐
- Foreign policy and Centre and State Relations ☐
- Inter-State border disputes ☐

□ **The President**

- Importance of President ☐
- Qualification ☐
- Election procedure ☐
- Advantages and disadvantages of single transferable form of voting ☐
- Presidents' Term of Office and ☐

<ul style="list-style-type: none"> emoluments Executive Powers <input type="checkbox"/> Legislative Powers <input type="checkbox"/> Emergency Powers <input type="checkbox"/> Financial Powers <input type="checkbox"/> Miscellaneous powers <input type="checkbox"/> Judicial powers <input type="checkbox"/> Impeachment of President <input type="checkbox"/> President as nominal head <input type="checkbox"/> Ordinance making power <input type="checkbox"/> Passage of bills <input type="checkbox"/> Misuse of emergency provisions <input type="checkbox"/> Pardon power <input type="checkbox"/> Coalition government <input type="checkbox"/> 		<ul style="list-style-type: none"> Composition of Rajya Sabha <input type="checkbox"/> Composition of Lok Sabha <input type="checkbox"/> Qualification and disqualification of MPs and MLAs <input type="checkbox"/> Vacation of seats <input type="checkbox"/> Sessions of Parliament <input type="checkbox"/> Law making procedure <input type="checkbox"/> Officers of Parliament and State Legislature <input type="checkbox"/> Parliament Proceedings <input type="checkbox"/> Motions and resolutions in Parliament <input type="checkbox"/> Powers and Privileges <input type="checkbox"/> Financial proceedings <input type="checkbox"/> Comparison of Lok Sabha and Rajya Sabha <input type="checkbox"/> Women reservation in Parliament and issues <input type="checkbox"/> Lowering of Parliamentary powers <input type="checkbox"/> Parliamentary committees and their working <input type="checkbox"/> Judicial activism and Parliament <input type="checkbox"/> Delegated legislation and issues <input type="checkbox"/>
<p><input type="checkbox"/> Vice President</p> <ul style="list-style-type: none"> Office of the Vice-President <input type="checkbox"/> Functions <input type="checkbox"/> Comparison between Indian VP and American VP <input type="checkbox"/> 		
<p><input type="checkbox"/> Prime Minister</p> <ul style="list-style-type: none"> Appointment of PM <input type="checkbox"/> Functions of PM <input type="checkbox"/> Role of PM with respect <input type="checkbox"/> CoM <input type="checkbox"/> President <input type="checkbox"/> Lok Sabha <input type="checkbox"/> Political Party <input type="checkbox"/> Coalition Government <input type="checkbox"/> 		<p><input type="checkbox"/> The Judiciary</p> <ul style="list-style-type: none"> Integrated judicial system <input type="checkbox"/> Supreme Court <input type="checkbox"/> Composition <input type="checkbox"/> Independence of Supreme Court <input type="checkbox"/> Jurisdiction of SC <input type="checkbox"/> Judicial Review <input type="checkbox"/> Curative Petition <input type="checkbox"/> High Court <input type="checkbox"/> Composition <input type="checkbox"/> Terms and removal <input type="checkbox"/> Jurisdiction <input type="checkbox"/> Other powers <input type="checkbox"/> Lower judiciary <input type="checkbox"/> Appointment <input type="checkbox"/> Powers <input type="checkbox"/> Tribunal & Subordinate Courts <input type="checkbox"/> The role of the Supreme Court of India as guardian of the Constitution and protector of Fundamental Rights <input type="checkbox"/>
<p><input type="checkbox"/> Council of Ministers</p> <ul style="list-style-type: none"> Division of CoM <input type="checkbox"/> Role of CoM <input type="checkbox"/> Role of Cabinet <input type="checkbox"/> Responsibilities of the Ministers <input type="checkbox"/> 		
<p><input type="checkbox"/> Attorney General of India</p> <ul style="list-style-type: none"> Qualification <input type="checkbox"/> Functions <input type="checkbox"/> Powers with respect to Parliament <input type="checkbox"/> 		
<p><input type="checkbox"/> Parliament</p>		

- Judicial Review ☐
- PIL ☐
- Judicial Activism ☐
- Judiciary appointment ☐
- Collegiums System ☐
- NJAC Controversy ☐
- National Court of Appeal ☐
- Judicial Accountability ☐
- Issues of corruption in judiciary ☐
- Role of Women in Judiciary ☐
- Need for Virtual Courts ☐

□ **Ministries and Departments of the Government**

- Functioning of Ministries ☐
- Central Secretariat ☐
- Cabinet Secretary ☐
- Field organizations ☐
- Reforms needed ☐
- International methodology ☐
- Prime Minister's Office (PMO) ☐

□ **Local Government**

- Provisions of 73rd AA and 74th AA ☐
- Role and functions of different tiers ☐
- Municipal Corporations ☐
- Municipal Councils ☐
- Nagar Panchayats ☐
- The steps taken towards women's empowerment ☐
- Role of State Election commission ☐
- Role of State Finance Commission ☐
- Smart City Mission & Municipal Governance ☐
- Model Panchayat Citizens Charter Framework ☐

□ **Dispute redressal mechanisms and institutions**

- What is Dispute redressal mechanisms? ☐
- Need of Dispute redressal mechanisms ☐
- Administrative tribunal and issues ☐

- Fast Track Courts and issues ☐
- Gram Nyalayas and issues ☐
- Parivarik Mahila Lok Adalats and issues ☐
- Family Courts and issues ☐
- Lok Adalat and issues ☐
- NALSA and issues ☐
- Dispute redressal for Weaker section ☐
- Arbitration Mechanism ☐
- International Arbitrary Centre ☐
- Commercial Court ☐

□ **Comptroller And Auditor-General Of India**

- Appointment ☐
- Functions ☐
- Role of CAG in good governance ☐

□ **The Governor**

- Appointment, term of office, qualification, etc. ☐
- Powers ☐
- Discretionary powers ☐
- Ordinance making power ☐
- Pardoning power of the Governor ☐

□ **CM**

- Appointment ☐
- Powers and responsibilities ☐
- Relationship between the Governor and the Chief Minister ☐
- Relationship between CoM and the Chief Minister ☐

□ **The Advocate-General for the State**

- Appointment ☐
- Functions ☐

□ **State legislature**

- The composition of Vidhan Sabha and Vidhan Parishad ☐
- Qualifications of the Members of Legislature ☐
- Powers and Functions of State ☐

Legislature

- Relationship between both the Houses ☐
- Officers of State Legislature ☐
- Powers, Privileges and Immunities of State Legislatures and their Members ☐
- Legislative procedure ☐
- Governor's assent to Bills ☐
- Procedure in Financial Matters/ Budget ☐

□ **Constitutional Bodies**

- Election Commission ☐
- Union Public Service Commission ☐
- State Public Service Commission ☐
- Finance Commission ☐
- GST Council ☐
- National Commission for SCs and STs ☐
- Special Officer for Linguistic Minorities ☐
- National Commission for Backwards ☐

□ **Non-Constitutional Bodies**

- NITI Aayog ☐

- National and State Human Rights Commission ☐
- Central and State Information Commission ☐
- Central Vigilance Commission ☐
- Central Bureau of Investigation ☐
- Lokpal and Lokayukta ☐

□ **Various Constitutional Dimensions**

- Co-operative Societies ☐
- Official Languages under the Indian Constitution ☐

□ **Political Dynamics**

- Provisions related to Political Parties ☐
- Rise of Regional Parties in India ☐
- Election Laws and Electoral Reforms in India ☐
- Importance of NRI votes in Indian Election System ☐
- Tenth Schedule of the Indian Constitution ☐

CONTEMPORARY ISSUES

- | | |
|---|--|
| <ul style="list-style-type: none"> • NOTA in Indian Elections • Coalition Politics • Right to Personality • Promotion: Not a Fundamental Right • Right to Vote for Undertrials • Essence of Article 31C • Reservation on the basis of Religion • Curative Petition • Enforcement Directorate and PMLA • Citizenship Amendment Act • Parliamentary Privileges • IGNCA's Language Atlas • Uniform Civil Code • Ladakh and demand for 6th Schedule • Sub-Categorisation of Schedule Caste | <ul style="list-style-type: none"> • Tribunals in India • Criminal Law Reforms • Anti-Defection Law: Challenges and Reforms • Alternative Dispute Resolution • Article 370 and Verdict of Supreme Court • Reservation in Jammu & Kashmir • All India Judicial Services • Electoral Bonds • Supreme Court and Case burden • Reservation on the basis of Domicile • Special and Local Laws • Contempt of Court • Inter-State Water Dispute • Freedom of Press in India |
|---|--|

- Judicial Appointments
- Women's Reservation Act
- Words Socialist and Secular in Constitution
- Comparing Indian Secularism to French

- OBC Reservation in Local Bodies
- Bail as Right
- Sub-Categorisation of OBCs
- Finance Commission
- Indian Federalism



GOVERNANCE & SOCIAL JUSTICE

GOVERNANCE

□ Need and importance of Government Policies

- Growth and development ☐
- Human development and human capital formation ☐
- Equality (interpersonal and interregional) and social justice ☐
- Unity and integrity ☐
- Trust between state and citizens ☐
- Governance: Meaning and Scope ☐
- Good Governance ☐
- Contemporary debate around Governance and Good Governance ☐
- Governance and emerging areas (4th Industrial revolution and related technologies, gender issues, Ethical Governance, Environmental Governance) ☐

□ Effective Implementation

- What is effective implementation? Best outcomes in view of given time, resources and constraints ☐
- Outcome orientation in implementation ☐
- Programme impact assessment ☐
- Analysis of different important schemes ☐

□ Government intervention

- Good Governance-Role of institutions, bureaucrats and other stakeholders ☐
- Transparency and accountability ☐
- Optimum use of resources - Right targeting, plugging leakages and wasteful expenditure, use of available knowledge, research and innovation. ☐

- Monitoring and evaluation - Outcome ☐
- Budget, zero base budgeting, input-output analysis, cost-benefit analysis ☐
- Setting up institutions and regulatory norms task forces, steering committees and review committees. ☐
- Interventions in emerging areas - ☐
- Social Media, Data, Privacy, Social Sector ☐

□ Development Process & Industry

- Difference between Growth and Development ☐
- Main Constraints of development ☐
- Main Stake holders in development process ☐
- Self Help Groups ☐
 - Meaning ☐
 - Importance ☐
 - Objectives ☐
 - Institutional Structure and organization ☐
 - Funding ☐
 - SHGs and Women Development ☐
 - Women Development and Women in Development dynamics ☐
 - SHGs and poverty ☐
 - SHGs and Rural Development ☐
- Micro Finance ☐
 - Meaning and importance ☐
 - Objectives ☐

- Structure and Organization ☐
- Advantages ☐
- Micro Finance in India ☐
- Non-Government Organizations ☐
 - What are NGOs? ☐
 - Difference between Non-Government Organizations (NGOs) and International Non-Government Organizations (INGOs) ☐
 - United Nations Criteria for INGO and NGO ☐
 - NGOs and development projects ☐
 - NGOs and Community development ☐
 - NGOs involved in relief and rehabilitation ☐
 - NGOs involved in disaster management ☐
 - NGOs and advocacy ☐

□ **Important aspects of governance, transparency and accountability**

- Citizen centric governance ☐
- Features of good governance ☐
- Legislative accountability ☐
- Administrative accountability ☐
- Judicial accountability ☐
- Ombudsman ☐
- Whistleblowers concept ☐
- Anti corruption machinery ☐
 - Role of citizens ☐
 - Role of media ☐
 - Social audit ☐
- Systematic reforms ☐
- Social Media and Accountability/Transparency/Governance ☐
- Decentralisation ☐
- Delegation ☐
- Delegation vs decentralisation ☐
- Bottom-up governance ☐

□ **e-Governance**

- Introduction ☐
- Applications ☐
- Models ☐
- Successes ☐
- Limitations ☐
- Future prospects ☐
- Dashboards and Portals of E-governance and E-government - Uses/Impact/Analysis ☐
- Democracy and E-governance ☐
- E governance and Judiciary ☐
- E governance and Legislatures ☐

□ **Citizens Charters**

- Citizens Charters ☐
- Introduction ☐
- Models ☐
- Features ☐
- CC in India ☐
- Issues in CC implementation ☐
- Reform needed ☐
- Sevottam Framework ☐
- Citizens and Citizens Charters ☐

□ **Role of civil services in a democracy**

- Concept of civil services ☐
- Need for civil services ☐
- Different role of civil services ☐
- Law making ☐
 - Policy formulation ☐
 - Policy implementation ☐
 - Policy evaluation ☐
- Civil services as protector of democracy ☐
- To protect minorities (religious and linguistic) ☐
- To promote Inclusive and sustainable growth ☐
- Civil Services – Democracy dynamics ☐
- Civil Services in eras- Post ☐

independence/ Post-LPG/in 21st century

- Emerging challenges for Civil Services ☐
- Reforms - Lateral Entry ☐
- Capacity building of Civil Services (Past to Present) Autonomy ☐
- Frequent transfers and security of tenure - concept/benefits/ analysis ☐
- Cadre Policy ☐
- Performance Appraisal and HR policies for Civil Services ☐
- Civil Services Board ☐

□ **Pressure groups and formal/informal asso-ciations and their role in the Polity**

- What are pressure groups? ☐
- Types ☐
- The significance of pressure groups in India ☐
- Differentiate between a pressure group and a political party ☐
- Evaluation of pressure groups role ☐
- Pressure groups and new media ☐
- Politicisation of Pressure Groups ☐
- Role of pressure groups in governance ☐
- Issues, pros, cons, challenges for Pressure Groups ☐

□ **Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies**

- Appointment of CAG (procedure of appointment) - composition of CAG ☐
- Functions and responsibilities of CAG ☐
- Powers and privileges of CAG (provided by constitution and different ACTs of Parliament.) ☐
- Appointment of ECI (procedure of appointment) - composition of ECI ☐
- Functions and responsibilities of ECI ☐
- Powers and privileges of ECI (provided by Constitution and different acts of Parliament) ☐
- Appointment to UPSC (procedure of appointment)- composition of UPSC ☐

- Functions and responsibilities of UPSC ☐
- Powers and privileges of UPSC (provided by Constitution and different Acts of Parliament.) ☐
- Appointment to Finance commission (procedure of appointment) ☐
- Composition of Finance Commission ☐
- Functions and responsibilities of Finance Commission ☐
- Powers and privileges of Finance Commission (provided by Constitution and different Acts of Parliament.) ☐
- National Commission for SCs and STs. ☐
- Other bodies - NGT, NHRC etc. ☐
- Evaluation of Each body: History/ Evolution/ Pros/Cons/Issues/ Challenges/Way Forward ☐

□ **Statutory, Regulatory and various Quasi-Judicial Bodies**

- SEBI ☐
- CVC ☐
- CBI ☐
- Planning Commission ☐
- NDC ☐
- PMO ☐
- Zonal Council ☐
- TRAI ☐
- NCLAT ☐
- IRDA ☐
- National Human Rights Commission ☐
- State Human Rights Commission ☐
- Central Information Commission ☐
- State Information Commission ☐
- National Consumer Disputes Redressal Commission ☐
- Tribunal ☐
- Medical Council of India ☐
- Pension Fund Regulatory and Development Authority ☐
- Biodiversity Authority of India ☐
- Press Council of India ☐
- Forward Markets Commission ☐
- Inland Waterways Authority of India ☐

- RBI ☐
- Evaluation of Each body: History/ Evolution/ Pros/Cons/Issues/ Challenges/Way Forward ☐

□ Elections in India

- Salient features of the Representation of People Act, 1950 ☐
- Salient features of Representation of Peoples Act, 1951 ☐
- Electoral reforms ☐
- Criminalization of politics ☐
- Negative or neutral voting ☐
- State funding of Elections ☐
- Irregularities in polling ☐
- Electoral Bonds ☐

□ Political Parties in India

- Political parties in India ☐
- Party reforms ☐
- Problems in the working of parties ☐
- Casteism and politics ☐
- Reforms in Party system in India ☐
- Strengthening of Anti-defection measures ☐
- Coalition Governments and dynamics ☐

□ Role of Pressure Groups

- Types of pressure groups ☐
- Role of pressure group in developing countries ☐
- Functions of pressure groups in India ☐
- Pressure groups methods ☐
- Pressure groups and Democracy ☐
- Criticism of pressure groups ☐

□ Local Government and Governance

- Issues of Funds, Functions and Functionaries. ☐
- Local Government and Vulnerable Sections (SC/ST/OBC/Women/ Transgenders/Migrants/Children/ Disabled etc.) ☐
- Local Government and emerging ☐

issues (Disaster Management, Technology)

- Localism ☐
- Neo-Localism ☐
- Subsidiarity ☐

□ Vulnerable Sections (issues/ challenges/ solutions/laws/ interventions)

- SC ☐
- ST ☐
- OBC ☐
- Migrants ☐
- Women ☐
- Disabled ☐
- Children ☐
- Refugees ☐
- Transgenders ☐
- LGBT ☐
- Manual Scavengers ☐
- People with Special needs etc. ☐

□ Poverty, Hunger and Health (Evaluation/ issues/challenges/ solutions/committees/ commissions/ Programs/ institutions/ international comparisons)

- Poverty ☐
- Hunger ☐
- Health ☐
- Malnutrition ☐
- Unemployment ☐
- Distress Migration ☐
- Schemes - MGNREGA, PM POSHAN, Ayushman Bharat etc ☐
- Policies - NHP, NEP etc. ☐

□ Miscellaneous

- 'Concern about democracy in the digital age' ☐
- Indices and Rankings – Domestic and International (e.g. Global Hunger Index, ☐

NITI Aayog's, NIRF etc.)

- Reports - Domestic/international/governmental/Independent ☐
- Internet shutdowns ☐
- Committees and Commissions (Findings/recommendations/ Analysis) ☐
- Co-operatives ☐
- MSME ☐
- One nation one ration card/One district one product ☐
- Aspirational districts ☐

- Sustainable Development Goals and India ☐
- Entitlement portability ☐
- Fake news, Hate speech ☐
- Recent interventions (e.g. Laws - Privacy/Crypto currency/Uniform Civil Code/ Termination of Pregnancy etc. ☐
- IT rules - regulating the OTT and Digital Media ☐
- Missions (Jal Jeevan mission/Gati Shakti etc) ☐

SOCIAL JUSTICE

□ Welfare schemes for vulnerable sections of the population by the Centre and States

- Constitutional arrangement ☐
- Women welfare ☐
- Gender technology gap ☐
- Women in Indian Political System ☐
- Issue of Marriageable Age for Women ☐
- Child welfare ☐
- SC/ST welfare ☐
- OBC welfare ☐
- Caste Census ☐
- Gender reservation in ULB ☐
- Minorities welfare ☐
- Old age welfare ☐
- Legislations Issues and Reforms needed ☐

□ Services relating to Health, Education, Human Resources

- Education structure in India ☐
- Primary, secondary and higher education ☐
- Initiatives taken by GOI in education ☐
- Reforms needed ☐
- Recommendations of committees ☐
- Future prospects in education sector ☐
- Skill development, indicators, indicators ☐

- Private and Public health structure ☐
- NITI Aayog Report ☐
- Economic development and human development ☐
- SDGs and India ☐

□ Issues relating to poverty and hunger

- Poverty definition by different committees ☐
- Poverty data in India ☐
- Causes of poverty ☐
- Poverty and unemployment ☐
- Poverty and social conflict ☐
- Impact of LPG on poverty ☐
- Linkage between poverty and development ☐
- Rural poverty ☐
- Urban poverty ☐
- Feminization of poverty ☐
- Poverty alleviation measures ☐
- Problems in implementation of Poverty alleviation programmes ☐
- Poverty and Hunger ☐
- Food security programmes and issues ☐
- Hunger and health ☐
- Impact of hunger and poverty on economic development of the nation ☐
- Controversy related to poverty data estimation ☐

□ The Scheduled and Tribal Areas

- 5th Schedule Areas ☐
- 6th Schedule Areas ☐
- Composition of autonomous councils ☐
- Role and functions of councils ☐
- Role of Governor with respect to tribal areas ☐
- Tribal sub plan ☐
- Start-up and Skill Development ☐

□ Start Up India Scheme

- Stand up India Scheme ☐
- National Student Startup Policy ☐
- National Skill Development Mission ☐
- Pradhan Mantri Kaushal Vikas Yojana ☐
- Deen Dayal Antyodaya Yojana ☐
- Deen Dayal Upadhyaya Grameen Kaushalya Yojana ☐
- Skill Development Initiative Scheme ☐
- Self-Employment & Talent Utilisation (SETU) ☐
- Atal Innovation Mission ☐

□ Vulnerable Sector

- Social Security Scheme ☐
 - Atal Pension Yojana ☐
 - Pradhan Mantri Jeevan Jyoti Bima Yojana ☐
 - Pradhan Mantri Suraksha Bima Yojana ☐
- Minorities ☐
 - Nai Roshni Scheme ☐
 - USTAAD Scheme (Upgrading the Skills and Training in Traditional Arts/Crafts for Development) ☐
 - Nai Manzil Scheme ☐
- Women and Child Development ☐
 - Beti Bachao Beti Padhao ☐
 - Sukanya Samriddhi Yojana ☐
 - Digital Gudda Guddi Board ☐
 - Sabla ☐
 - Ujjawala Scheme ☐

- Janani Suraksha Yojana ☐
- Janani Shishu Suraksha Karyakram ☐
- SC/ST ☐
 - Vanbandhu Kalyan Yojana ☐
 - Pradhan Mantri Adarsh Gram Yojana ☐
 - Disability ☐
 - Accessible India Campaign (Sugamya Bharat Abhiyan) ☐

□ Health

- National Health Mission ☐
- National Ayush Mission ☐
- Swasthya Rakshan Program ☐
- Jan Aushadhi Scheme ☐
- Mission Indradhanush ☐
- NFHS-5 survey ☐

□ Education

- Padhe Bharat Badhe Bharat ☐
- Mid Day Meal Scheme ☐
- Ishan Uday ☐
- GIAN (Global Initiative of Academic Networks) ☐
- Rashtriya Avishkar Abhiyan ☐
- SWAYAM (Study Webs of Active - Learning for Young Aspiring Minds) ☐

□ Rural & Urban Development

- Sansad Adarsh Gram Yojana ☐
- Gram Uday Se Bharat Uday Abhiyan ☐
- Shyama Prasad Mukherjee Rurban Mission ☐
- Deendayal Upadhyaya Gram Jyoti Yojana ☐
- Pradhan Mantri Gram Sadak Yojana ☐
- Swachh Bharat Abhiyan ☐
- Pradhan Mantri Awas Yojana- Gramin ☐
- Pradhan Mantri Awas Yojana - Urban ☐
- Housing for all by 2022 ☐
- Smart Cities Mission ☐
- Hriday - National Heritage City Development and Augmentation Yojana ☐

- Amrut (Atal Mission for Rejuvenation and Urban Transformation) ☐

□ Miscellaneous Schemes

- Jeevan Praman ☐
- Digilocker ☐
- Bharatnet Project (National Optical Fibre Network) ☐
- INSPIRE (Innovation in Science Pursuit for Inspired Research) ☐
- SAKAAR ☐
- Digital India ☐
- Namami Gange Project (Integrated Ganga Conservation Mission Project) ☐
- Ganga Gram Yojana ☐
- Jal Kranti Abhiyan ☐
- Khelo India ☐
- One Rank One Pension Scheme ☐

- PRAGATI (Pro-Active Governance and Timely Implementation) ☐
- Indian Community Welfare Fund (ICWF) ☐

□ Inclusive growth

- Measurement criteria ☐
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- Electric Vehicles (EVs) Policy
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- FAME (Faster Adoption and Manufacturing of Hybrid and Electric Vehicle) Scheme
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- One Station One Product (OSOP) Scheme
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- Poshan Bhi, Padhai Bhi (PBPB) Scheme
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- Pradhan Mantri Kisan Samman Nidhi (PMKISAN) Scheme
- Mahatma Gandhi National Rural Employment Guarantee Act 2005 (MGNREGA)
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 - National Social Assistance Programme (NSAP)
 - Ayushman Bharat - Pradhan Mantri Jan Arogya Yojana (AB-PMJAY)
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 - National Logistics Policy (NLP)
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 - Ayushman Bharat Digital Mission
 - Digital Infrastructure for Knowledge Sharing (DIKSHA) Platform
 - Digital Advertisement Policy 2023
 - National Efficient Cooking Programme (NECP)
 - Draft National Menstrual Hygiene Policy, 2023
 - National Programme for Civil Services Capacity Building (NPCSCB)- Mission Karmayogi
 - Fast Track Special Courts (FTSCs) Scheme
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 - Uttar Poorva Transformative Industrialization Scheme, 2024 (UNNATI 2024)
 - Electric Mobility Promotion Scheme- 2024
 - The Holistic Progress Card (HPC)
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 - 'SMART 2.0' for Ayurveda Teaching Professionals
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 - Flood Management and Border Areas Programme (FMBAP)
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 - Pradhan Mantri Awas Yojana (PMAY-Urban)
 - National Geoscience Data Repository Portal (NGDRP)
 - Report on 'National Policy on Child Labour'
- **Index, Reports and Rankings**
- Rule of Law Index
 - All India Survey on Higher Education (AISHE) 2020- 2021
 - Annual Status of Education Report (ASER) 2022
 - Logistic Performance Index 2023
 - Global Food Policy Report 2023
 - Health for All Report
 - Grievance Redressal Assessment and Index (GRAI)
 - Panchayat Development Index (PDI)
 - National Indicator Framework (NIF) for SDGs

- Gender Gap Report-2023
- 2023 Gender Social Norms Index (GSNI) Report
- National Multidimensional Poverty Index (MPI)
- The Paths to Equal Report
- Sustainable Development Goals (SDG) Progress Report 2023
- State of Education in Rural India Report
- Digital in Health – Unlocking Value for Everyone” report
- Global Hunger Index (GHI)
- UNESCO’s “Technology on Her Terms” Report
- State of World Population - 2024 Report
- IOM released “A Decade of Documenting Migrant Deaths” Report
- Food Waste Index Report 2024
- Longevity India Initiative (LII)
- The Global Network Against Food Crises (GNAFC)
- Human Development Report (HDR) 2023-2024
- Household Consumption Expenditure Survey (HCES) 2022-23
- Gender Inequality Index (GII) 2022
- World Poverty Clock (WPC)
- National Multidimensional Poverty Index
- Future of Growth Report 2024
- All India Survey on Higher Education (AISHE) 2021-2022
- LEADS Report 2023
- Annual NeSDA Report
- Corruption Perceptions Index (CPI), 2023

□ **Laws**

- Multi-State Cooperative Societies (MSCS) Act, 2002
- Draft National Medical Commission (Amendment) Bill-2022
- Competition (Amendment) Bill 2022
- Digital Services Act
- Multi-State Co-operative Societies (Amendment) Bill, 2023

- Jan Vishwas (Amendment of Provisions) Bill, 2023
- Digital Personal Data Protection Act 2023
- Pharmacy (Amendment) Act, 2023
- Anusandhan National Research Foundation (NRF) Act, 2023
- Medical Termination of Pregnancy (MTP) Act
- Nari Shakti Vandan [Constitution (106th Amendment)] Act, 2023
- Press and Registration of Periodicals Act, 2023
- Telecommunications Act 2023
- Post Office Act, 2023
- Rights of Persons with Disabilities (RPwD) Act, 2016
- Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, 2014
- Surrogacy (Regulation) Amendment Rules, 2024
- Street Vendors (Protection of Livelihood and Regulation of Street Vending) Act, 2014
- The Water (Prevention and Control of Pollution) Amendment Act, 2024
- Epidemic Diseases Act (EDA), 1897
- Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) (POSH) Act,

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- Central Administrative Tribunal
- National Human Rights Commission (NHRC)
- National Bank for Agriculture and Rural Development (NABARD)
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- Social Audit Advisory Body (SAAB)
- Securities Appellate Tribunal (SAT)
- NALSA (National Legal Services Authority)
- National Startup Advisory Council (NSAC)

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 - Specialized Banks (SIDBI Bank, NABARD) ☐
 - Small Finance Banks ☐
 - Payments Banks (Airtel Payment Bank) ☐
- Nationalization of Banks in India ☐
- Banking Sector Reforms in India: Narasimhan Committee 1&2, Nachiket Mor Committee, P J Nayak Committee ☐
- Development Finance Institutions: IFCI, ICICI, SIDBI, IDBI, UTI, LIC, GIC ☐
- New Bank Licence Criteria ☐
- Non-Banking Financial Company (NBFC) ☐
- Financial Inclusion in India: Need and future; PMJDY; Payment Banks and Small Banks ☐
- NPAs ☐
- Bills related to Banking ☐
- NEO BANK ☐
- The emerging concept of Bad Banks ☐
- Insurance sector of India ☐
- Bank privatization ☐
- Account Aggregator System ☐
- Domestic systemically important banks (D-SIBs) ☐

□ Foreign Trade & International Organisations

- International Trade ☐
- Trade Policy ☐
- India's Balance of Payments: ☐
 - Current Account ☐

- Capital Account ☐
- Goods and Services Account ☐
- India's BOP Performance: ☐
 - Balance of Payment versus Balance of Trade ☐
 - Current Account versus Capital Account ☐
- Foreign Capital ☐
- Impact of Globalization on Indian Economy ☐
- FDI and FPI in India, External Commercial Borrowings ☐
- Foreign Exchange Rate Determination in India ☐

- Types of Exchange Rate ☐
- Capital and Current Account Convertibility in India ☐
- The Bretton Woods Twins: ☐
 - World Bank ☐
 - International Monetary Fund ☐
- World Bank Group ☐
- World Trade Organisation (WTO) and India ☐
- ADB, NDB, BRICS Bank, AIIB ☐
- Bilateral, Regional and Global ☐
- Groupings and Agreements involving India ☐
- Important report and forecasts ☐

AGRICULTURE

□ Role of Agriculture in Indian Economy

- Situation of Indian Agriculture ☐
- Historical background and current status ☐
- Cropping Patterns: Types of Cropping ☐
- Systems: Mono-cropping; Crop Rotation; Sequential Cropping; Inter Cropping; Relay Cropping ☐
- Issues related to direct and indirect farm subsidies and minimum support prices ☐
 - Farm Subsidies in India: Definition; Working; Need; Negative Impacts ☐
 - Types of Farm Subsidies in Indian Agriculture: Irrigation and Power Subsidies; Fertilizer Subsidy; Seed Subsidy; Credit Subsidy ☐
 - Government Intervention in Indian Agriculture ☐
 - Minimum Support Prices in Indian Agriculture: MSP definition; Working; Issues; Drawbacks; Way Ahead; Buffer Stocks ☐
 - Public Distribution System in India: Definition; Issues; Working; Needs; Disadvantages ☐

- Targeted PDS in India, Antyodaya Anna Yojana (AAY), Alternative to the PDS, Direct Benefit Transfers, National Food Security Act ☐
- Agriculture Marketing ☐
- Major crops: Major cropping patterns in different parts of the country, different types of irrigation, transport and marketing of agricultural produce and issues and associated constraints; e-technology for farmers ☐
- Conclusive Land Titling ☐
- Biotech-KISAN Program ☐

□ Land resource

- Land-use ☐
- Land capability classification ☐
- Causes of Land Degradation ☐
- Impact of Land Degradation ☐
- Steps taken by GOI ☐
- Sustainable Land Management ☐

□ Land Reforms

- Land ownership patterns under the British rule ☐
 - Zamindari System (Permanent settlement of Bengal) ☐
 - Ryotwari System ☐
 - Mahalwari System ☐

- Land reforms since independence ☐
- Objectives of land reforms in India ☐
- Progress of Land Reforms in India ☐
- Progress of Ceiling Legislation ☐
- NITI Aayog Report on Land Leasing ☐
- SVAMITVA (Survey of Villages and Mapping with Improved Technology in Village Areas) ☐

□ Agriculture Finance

- Features of Agricultural Finance ☐
- Criteria for Agricultural Credit ☐
- Need for Agricultural Finance ☐
- Sources of Agricultural Finance ☐
- Problems of Agricultural Finance ☐
- Measures taken to improve credit flow to agriculture ☐
- Co-operative Credit Societies in India ☐
- Derivate Trade in Agriculture Commodities ☐

□ Important Schemes

- Pradhan Mantri Kisan Maandhan Yojana ☐
- PM-Kisan Scheme Paramparagat Krishi Vikas Yojana (PMKVY) ☐
- Pradhan Mantri Krishi Sinchai Yojana (PMKSY) ☐
- Rythu Bandhu Scheme ☐

□ Agricultural Credit Institutions

- Commercial Bank ☐
- Lead Bank Scheme ☐
- Multi Agency Approach ☐
- Regional Rural Banks ☐
- National Bank for Agriculture and Rural Development (NABARD) ☐
- Reserve Bank of India ☐
- Kisan Credit Card Scheme ☐
- Self Help Group (SHG) Bank Linkage Programme ☐
- Rural Infrastructure Development Fund (RIDF) ☐
- Government Policy For Agricultural Credit ☐

- Farmers Service Societies (FSS) ☐

□ Crop Insurance in India

- Historical Background ☐
- Issues Related to Crop Insurance ☐
- Pradhan Mantri Fasal Bima Yojana ☐
- Comparison with Earlier Crop Insurance Schemes ☐
- Challenges ☐

□ Important Schemes

- Pradhan Mantri Fasal Bima Yojana (PMFBY) ☐
- Kisan Credit Card (KCC) Scheme ☐
- Soil Health Card Scheme ☐
- National Mission for Sustainable Agriculture (NMSA) ☐

□ Agriculture Marketing

- Process of Agricultural Marketing in India ☐
- Structure of Agricultural Marketing in India ☐
- Importance of Proper Agriculture Marketing ☐
- Government Measures to Improve Agricultural Marketing in India ☐
- Analysis of APMC Act ☐
- National Agriculture Market (e-NAM) ☐

□ Subsidies

- Subsidy in India ☐
 - Farm Subsidies ☐
 - Fertiliser subsidies ☐
 - Subsidy on power ☐
 - Subsidy on irrigation ☐
- Issues related to direct and indirect farm subsidies and minimum support prices ☐
- Objectives of subsidies ☐
- Transfer of resources from gainers from economic policies to losers from economic policies ☐
- Issues of buffer stocks and food security ☐
- Technology missions ☐

- Economics of animal-rearing ☐
- Public Distribution System: Objectives, functioning, limitations, revamping, evolution from universal PDS to targeted PDS, Targeted PDS, a critical analysis of cost and benefit of PDS ☐
- Buffer Stock policy and government's intervention in food market to keep prices under reasonable limits to help consumers ☐
- Food Security bill, questions of resource mobilization for the FSB, criticism of the FSB ☐
- Important questions on the future of subsidies ☐

□ Agricultural Revolutions in India

- Green Revolution ☐
- White Revolution – Operation Flood ☐
- Yellow Revolution ☐
- Blue Revolution ☐
- Golden Fiber Revolution: Jute ☐
- The future of Indian agriculture ☐

- Data revolution in Indian agriculture ☐
- Artificial Intelligence & Agriculture ☐
- Social Security Schemes for Farmers ☐

□ Food Processing

- Food processing and related industries: Scope and significance, location, upstream and downstream requirements, supply chain management. ☐
- Processed Foods Scenario with respect to Specific Sectors ☐
- Policy Initiatives ☐
- Infrastructure Development in Food Processing Sector ☐
- Issues in Food Processing Sector ☐
- FDI Policy in Food Processing ☐
- Notable Trends in the Indian Food Processing Sector ☐
- Strategies Adopted in Budget ☐
- New foreign and domestic investment ☐
- Sector-specific government policies ☐

INDUSTRY

□ Industrial Policy and Industrial Development: Main Issues

- Mahalanobis strategy and India's industrial policy-Discussing Industrial policy resolution 1948 and 1956 critically ☐
 - New Economic Policy and Industrial policy under the policy of Liberalization ☐
 - Privatization ☐
 - Globalization ☐
- Phases of Industrial development ☐
- Effects of liberalization on the economy ☐
- Changes in industrial policy and their effects on industrial growth ☐
- Impact on Different Sectors of the Economy ☐

□ Main features of Industrial development in India

- Roles of private sector and public ☐

sector, Investment in the industrial sector, employment, productivity, profit etc.

- Strategies for disinvestment and privatization ☐
- Role of Small, Medium and Micro enterprises, Government Policy, main problems, effects of globalization ☐
- New Manufacturing Policy ☐
- Industrial disbursal and Industrial corridors ☐
- SEZs - Main issues like land use, relocation of same industries that exist, exports earnings vs loss of tax income ☐
- Industrial sickness, institutional mechanism to support the sick industries, exit policy issues ☐
- Main constraints in the industrial development of India ☐
- Effects of globalization on industries ☐
- Sub-prime crisis and sovereign debt crisis on Industry in India ☐

- Industrial Finance in India: Role of development banking, commercial banking, venture capital, angel capital in industrialization and promotion of entrepreneurship ☐

- Make in India achievements ☐
- Transformation of MSME sector and impact on India ☐

INFRASTRUCTURE

- Impact of Infrastructure-Economic Impacts, impact on social development, Environmental impacts ☐
- Transport ☐
 - Ports ☐
 - ♦ Ocean transport routes ☐
 - ♦ Inland waterways ☐
 - ♦ Main regions of inland waterways ☐
 - Roads ☐
 - ♦ Importance ☐
 - ♦ Government push towards Road Infrastructure ☐
 - ♦ National Infrastructure pipeline ☐
 - ♦ Bharatmala Pariyojana ☐
 - Airports ☐
 - ♦ Air routes & Significance ☐
 - ♦ Factors influencing air transport ☐
 - Railways ☐
 - ♦ Railways: Factors affecting the railroads ☐
 - ♦ Distribution of railroads in the world ☐
 - Energy (Pipeline) ☐
 - ♦ Energy Pipeline Transport ☐
 - ♦ Petroleum (oil) Pipelines ☐
 - ♦ Gas Pipelines ☐
- Importance and development of transport ☐
- Means of transport ☐
- Transport costs and economic distance ☐
- Operating costs in transport ☐
- Government's transport policy ☐
- Transport patterns in the world ☐
- Transport costs and specialization ☐
- Transport and trade in the modern era ☐
- Transport costs and scale economies ☐

- Falling transport costs increase trade between neighbours ☐
- Falling transport costs lead to concentration within countries ☐
- Negative externalities of transport ☐
- Important issues ☐
- Ownership and financing ☐
- Pricing of Public utilities ☐
- Infrastructure as avenues for investment ☐
- Project delays-reasons and measures to overcome Public Private Partnership and related issues ☐
- Operation and Maintenance of roads, railways, irrigation and power projects - Main problems and solutions ☐

□ Important Schemes

- PM Gati Shakti National Master Plan ☐
- Mega Investment Textiles Parks (MITRA) Scheme ☐
- National Bank for Financing Infrastructure and Development (NaBFID) to fund infrastructure projects in India ☐
- National Industrial Corridor Development Programme (NICDP) ☐

□ Recent Development

- Pulses for Food Security and Sustainable Future ☐
- General Insurance Amendment Bill ☐
- Pandora's papers ☐
- National Urban Digital Mission ☐
- 'One District One Product: A Potential Game changer' ☐
- Proposition 22: The Future of the Gig Economy ☐
- Central Bank Digital Currency ☐

- Virtual Currencies ☐
- Taxing Virtual Currencies ☐
- G-SAP 1.0: Securities acquisition plan to boost the market ☐
- G7 Corporate Tax Deal ☐
- Major reforms in Natural Gas Marketing ☐
- National Monetisation Pipeline ☐
- National Mission on Edible Oil ☐
- Zero defect zero effect scheme ☐
- World Hunger Index 2021 ☐

- World Inequality Report ☐
- India's telecom sector and issues ☐
- Shifting towards Green Energy ☐
- Gig Economy and India ☐
- The State of Food and Agriculture 2021 ☐
- Fertiliser Shortage in India ☐
- World Employment and Social Outlook – Trends 2022 report ☐
- e-Gram Swaraj e-Financial Management System ☐

CONTEMPORARY ISSUES

□ Growth & Development

- Inequality & Growth
- India's Manufacturing Landscape
- Economic Redistribution in India
- Low Wages and impact on Indian Economy
- Unequal India (Gap in wealth and income)
- Minimum Wage vs Living Wage
- Digital Public Infrastructure
- Universal Basic Economy and India's Poverty
- Link between GDP Growth & Employment
- El Nino and India's Climate Risks
- India's Ageing Workforce
- Greedflation
- Critical Mineral and Economic Significance
- India's Increasing Power Demand
- India's demographic advantage
- India's Energy Security

□ Sectors of Economy

- Coastal Economy of India
- India's Gaming Sector
- Overhaul of Indian Railways
- India's Steel Imports
- Pink Economy

- Gig Economy
- India's Evolving Space Economy
- Fintech Sector
- India's Lithium Industry
- Blue Food Economy
- Cyber Security and India's financial sector
- India's Unorganised Sector

□ Money & Banking

- RBI's Surplus Transfer
- RBI's Gold Reserve
- Cryptocurrency Regulation
- Surplus Liquidity in banking system
- Disinvestment
- The problem of Bad Loans
- RBI's Liquidity Management System

□ Agriculture

- India's Agricultural Subsidies
- Climate Change and impact on agricultural output
- Punjab and Haryana's Role in National Food Security
- Innovation in Traditional Practices of Agriculture
- Agriculture's Labour Dependency
- Green Revolution
- MSP & required revision

- India's sugar production and impact on groundwater
- Primary Agricultural Societies
- E-technology in Agriculture

□ **Investment**

- Decline in Foreign Investment
- India's Stock Market & Influencing Factors
- Clean Energy Investment

□ **External Economy**

- De-dollarisation
- Trading in Indian Currency
- Global Debt Crisis

- Social Protection in Low-Income Nations
- India's Forex Reserve
- US-China Trade War and India
- Middle-East Conflict and Impact on Indian Economy
- India-Japan Free Trade Deal
- India-Eurasian Economic Union (EaEu) FTA
- Recession (case of UK & Japan)
- Red Sea Crisis
- Climate Change and impact on Global Sea Trade
- India's Foreign Trade Policy
- BRICS Expansion
- Global Layoffs and impact on India



SCIENCE & TECHNOLOGY

CHEMISTRY

- Elements and Molecules ☐
- States of Matters ☐
- Atomic structure ☐
- Chemical bonding ☐
- Metals and non-metals ☐
- Metallurgy ☐
- Acid and base ☐
- Applications of electro-chemistry (Battery and Charging devices) ☐

- Properties of solution ☐
- Chemicals in everyday life ☐
- Polymers and Biopolymers ☐
- Chemistry of Pharmaceuticals ☐
- Carbon and its allotropes ☐
- Hydrocarbons and their derivatives ☐
- Biomolecules ☐
- Vitamins and Enzymes ☐

PHYSICS

- Properties of fundamental particles ☐
- Fundamental forces ☐
- Energy and its various types ☐
- Optics ☐
- Electromagnetic spectrum ☐
- Laws and theories in physics, Relativity ☐
- Electromagnetism ☐
- Heat and thermodynamics ☐
- Waves ☐
- Mechanical ☐
- Electromagnetic waves ☐

- Universe ☐
- Planets, stars, and galaxies ☐
- Big-bang theory and singularity ☐
- Dark matter and energy ☐
- Black holes ☐
- Neutrino Observatory ☐
- Gravitational Waves ☐
- Sunspot ☐
- Magnetars and Neutron stars ☐
- Sub-atomic particles ☐

BIOLOGY

- ☐ **Chemical Building Blocks of Life** ☐
- ☐ **History and Origin of Life** ☐
- ☐ **Diversity of Living Things** ☐
 - Classification and Domains of Life ☐

- Viruses ☐
- Prokaryotes ☐
- Eukaryotes ☐
- Protists ☐
- Plants ☐

- Fungi ☐
- Animals ☐

□ Evolution

- Evolution of Life ☐
- Human Evolution ☐

□ Genetics

- Inheritance ☐
- DNA and RNA ☐
- Gene Expression ☐
- Gene Regulation ☐
- Mutation ☐

□ Cells

- Cell Structure ☐
- Membranes ☐
- Cell-Cell Interactions ☐
- Respiration ☐
- Energy and Metabolism ☐
- Cells Division ☐
- Tissues ☐
- Epithelial tissue ☐
- Connective tissue ☐
- Muscle tissue ☐
- Nervous ☐
- Myocardial ☐
- Hepatic ☐

□ Organ system and Human physiology

- Endocrine System ☐
- Respiratory system ☐
- Circulatory system ☐
- Skeletal and Muscular Systems ☐
- Reproduction ☐
- Excretion, Osmoregulation and Thermoregulation ☐

- The Digestive System ☐
- Immune system ☐

□ Nutrition

- Classification by Source of Energy and Carbon ☐
- Plant Nutrition ☐
- Animal Nutrition ☐
- Human Diet ☐

□ Plant physiology

- Photosynthesis ☐
- Respiration ☐
- Plant-water balance ☐
- Reproduction ☐

□ Economic Zoology

- Microbes in Human Welfare ☐
- Beneficial animals ☐
- Beneficial insects ☐

□ Economic botany

- Family of angiosperms ☐
- Tissue culture ☐
- Grafting ☐
- Horticulture ☐

□ Imaging techniques

- CT scan ☐
- Magnetic resonance imaging ☐
- Positron emission tomography (PET) ☐

□ Biological fuel generation

- Generation and significance of fossils fuels ☐
- Biofuels from biomass ☐
- Biodiesel ☐
- Natural gas and petroleum ☐
- Hydrogen ☐

BIOTECHNOLOGY

- | | |
|--|--|
| <ul style="list-style-type: none"> ❑ Genetic Engineering, Process, and Application <input type="checkbox"/> ❑ Genomics <input type="checkbox"/> ❑ Proteomics <input type="checkbox"/> ❑ RNA Types & Technology <input type="checkbox"/> ❑ Genome sequencing and Its Applications <input type="checkbox"/> ❑ Application of biotechnology in Environment <input type="checkbox"/> <ul style="list-style-type: none"> • Bio composting <input type="checkbox"/> • Bioremediation <input type="checkbox"/> • Microbial remediation <input type="checkbox"/> • Carbon capture Technology <input type="checkbox"/> ❑ Plant biotechnology <input type="checkbox"/> <ul style="list-style-type: none"> • Transgenic plants <input type="checkbox"/> • Methods and application of Plant biotechnology <input type="checkbox"/> • Animal biotechnology <input type="checkbox"/> • Transgenic animals <input type="checkbox"/> • Methods and application of Animal biotechnology <input type="checkbox"/> ❑ Application of Biotechnology in Food and beverage industry <input type="checkbox"/> <ul style="list-style-type: none"> • Bioprocessing <input type="checkbox"/> • Bioreactors <input type="checkbox"/> • Manipulation of Enzymes <input type="checkbox"/> | <ul style="list-style-type: none"> • Food processing <input type="checkbox"/> • Single cell protein <input type="checkbox"/> • Food fortification <input type="checkbox"/> ❑ Application of Biotechnology in agriculture <input type="checkbox"/> <ul style="list-style-type: none"> • GM technology <input type="checkbox"/> • GM crops <input type="checkbox"/> • Pest Resistant Plants <input type="checkbox"/> ❑ Biotechnology and medicine <input type="checkbox"/> <ul style="list-style-type: none"> • Gene Editing <input type="checkbox"/> • Gene therapy <input type="checkbox"/> • Molecular Diagnosis <input type="checkbox"/> • PCR <input type="checkbox"/> • ELISA <input type="checkbox"/> • Antibody-Antigen interactions and detections <input type="checkbox"/> • Embryo transfer technology <input type="checkbox"/> • Stem cells and their engineering <input type="checkbox"/> • Biopharmaceuticals/therapeutic proteins <input type="checkbox"/> • Brain fingerprinting technology <input type="checkbox"/> ❑ Bioethics and Biopiracy <input type="checkbox"/> ❑ Biosafety protocols <input type="checkbox"/> ❑ IPR in Biotechnology <input type="checkbox"/> ❑ Recent trends in biotechnology and applied biotechnology <input type="checkbox"/> |
|--|--|

HUMAN HEALTH & DISEASES

- | | |
|--|--|
| <ul style="list-style-type: none"> ❑ Human Diseases <input type="checkbox"/> <ul style="list-style-type: none"> • Common diseases in human and their causative agents <input type="checkbox"/> • Diseases due to nutrient deficiency <input type="checkbox"/> • Molecular biology and human disease <input type="checkbox"/> • Chromosomal inheritance and disease <input type="checkbox"/> | <ul style="list-style-type: none"> • Extra chromosomal inheritance and disease <input type="checkbox"/> • Vector borne diseases <input type="checkbox"/> • Water borne diseases <input type="checkbox"/> • Lifestyle diseases <input type="checkbox"/> ❑ Immunity and its types <input type="checkbox"/> |
|--|--|

- ☐ **Vaccination and Immunisation** ☐
- ☐ **Vaccination program of India** ☐
- ☐ **Medicines**
 - ☐ Antibiotics
 - ☐ Antiviral and antifungal drugs

- ☐ Monoclonal antibodies therapy
- ☐ Antimicrobial drug resistance
- ☐ Drug formulations
- ☐ Drug pricing in India
- ☐ Pharmacogenetics

SPACE

- ☐ **Types of orbits** ☐
- ☐ **Types of Launch Vehicles and application** ☐
- ☐ **Space missions of key space agencies**
 - ☐ NASA
 - ☐ ISRO
 - ☐ ESA
 - ☐ ROSCOSMOS
 - ☐ JAXA
 - ☐ CNSA
- ☐ **ISRO and its role in national development** ☐
- ☐ **Private sector in space** ☐
- ☐ **Public-private partnership in space sector** ☐
- ☐ **Space Technology**
 - ☐ Cryogenics
 - ☐ Nanosatellites
 - ☐ Electric Propulsion
 - ☐ Aviation Internet, Starlink communication

- ☐ Satellite communications
- ☐ Remote sensing and its applications
- ☐ Ground Segment-As-A-Service
- ☐ Green Propellant
- ☐ Deep Space Atomic Clock
- ☐ **Strategic dimensions**
 - ☐ Space weapons
 - ☐ A-SAT technology
 - ☐ Laser technology
 - ☐ HGV technology
- ☐ **International Space Collaboration**
- ☐ **Various Space Observatories**
- ☐ **Various Telemetry**
- ☐ **Navigation**
 - ☐ Global Positioning System
 - ☐ Galileo
 - ☐ GLONASS
 - ☐ IRNSS
 - ☐ Geopolitics of outer space

DEFENCE

- ☐ **Missile System & Classification** ☐
- ☐ **Ballistics And Cruise Missile** ☐
- ☐ **India's Missile System** ☐
- ☐ **Integrated Guided Missile Program** ☐

- ☐ **Missile Defence Programmes**
 - ☐ Defence Technology
 - ☐ Application of robotics in defence sector
 - ☐ Application of AI in defence
 - ☐ Internet of Military Things (IoMT)

<ul style="list-style-type: none"> • Cyber warfare, and preparedness <input type="checkbox"/> • Drone technology <input type="checkbox"/> • Unmanned Aerial Vehicle <input type="checkbox"/> • Stealth technology <input type="checkbox"/> • Advanced Defence Equipment <input type="checkbox"/> • Air Defence system <input type="checkbox"/> • 3-D printing missiles <input type="checkbox"/> • Lethal Autonomous Weapons <input type="checkbox"/> • Hypersonic technology <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Hypersonic glide vehicles <input type="checkbox"/> ◦ Hypersonic cruise missiles <input type="checkbox"/> 	<ul style="list-style-type: none"> • Chemical Weapons <input type="checkbox"/> • Biological Weapons <input type="checkbox"/> • Directed Energy Weapons <input type="checkbox"/>
<input type="checkbox"/> Weapon System <ul style="list-style-type: none"> • Classical weapons <input type="checkbox"/> • Weapon of mass destruction <input type="checkbox"/> • Fission and fusion bombs <input type="checkbox"/> 	<input type="checkbox"/> Defence Reforms <ul style="list-style-type: none"> • CDS <input type="checkbox"/> • Various committees and recommendations <input type="checkbox"/>
	<input type="checkbox"/> Domains of Warfare
	<input type="checkbox"/> Defence Platforms <ul style="list-style-type: none"> • Submarine <input type="checkbox"/> • Aircraft carrier <input type="checkbox"/> • Combat aircraft <input type="checkbox"/>
	<input type="checkbox"/> Defence Organizations and laboratories
	<input type="checkbox"/> Defence Exercises

NUCLEAR ENERGY

<input type="checkbox"/> Types of nuclear reactions <input type="checkbox"/>	<input type="checkbox"/> Radioactive Waste <input type="checkbox"/>
<input type="checkbox"/> Nuclear Energy and its application <ul style="list-style-type: none"> • Civil and military applications of Nuclear Energy <input type="checkbox"/> 	<input type="checkbox"/> Nuclear & Radiological Disasters <input type="checkbox"/>
<input type="checkbox"/> Nuclear Fuels and Centrifugation <input type="checkbox"/>	<input type="checkbox"/> Institutions involved in Nuclear Energy Development <input type="checkbox"/> <ul style="list-style-type: none"> • Department of Atomic Energy <input type="checkbox"/> • Atomic Energy Regulatory Board <input type="checkbox"/> • Bhabha Atomic Research Centre <input type="checkbox"/> • Indira Gandhi Centre for Atomic Research <input type="checkbox"/>
<input type="checkbox"/> Nuclear Reactor <input type="checkbox"/>	
<input type="checkbox"/> Nuclear Policy of India <input type="checkbox"/>	
<input type="checkbox"/> Nuclear Radiation and Its impact <input type="checkbox"/>	

ELECTRONICS & TELECOMMUNICATIONS

<input type="checkbox"/> Computers <ul style="list-style-type: none"> • Generation of computers <input type="checkbox"/> • Computer terminologies <input type="checkbox"/> • Supercomputer and its applications <input type="checkbox"/> • Cloud computing <input type="checkbox"/> 	<ul style="list-style-type: none"> • Components of IT <input type="checkbox"/> • IT enabled services <input type="checkbox"/> • Application of IT <input type="checkbox"/>
<input type="checkbox"/> Information Technology	<input type="checkbox"/> Display Technologies <ul style="list-style-type: none"> • Cathode ray <input type="checkbox"/> • LCD <input type="checkbox"/>

- LED ☐
- Plasma Monitors ☐
- OLED ☐
- AMOLED ☐
- ☐ **Mobile Generations** ☐
- ☐ **Smartphone** ☐

- ☐ **Net Neutrality** ☐
- ☐ **Internet of Things** ☐
- ☐ **Big Data Initiative and Privacy** ☐
- ☐ **Cyber-crime and Security** ☐
- ☐ **Government Initiatives** ☐

NANO SCIENCE & NANO TECHNOLOGIES

- ☐ **Basics of Nano Science and Nano Technology** ☐
- ☐ **Nanomaterial** ☐
- ☐ **Applications of Nano Technology**
 - Nano medicine ☐
 - Semiconductors and computing ☐
 - Food ☐
 - Textiles ☐
 - Sustainable energy ☐
 - Environment ☐

- Transport ☐
- Space ☐
- Agriculture ☐
- ☐ **Impacts of Nano Technology**
 - Adverse Health and Environmental ☐
 - Social and Ethical Impacts ☐
- ☐ **Nano Science & Nano technology in India** ☐

ROBOTICS & AI

- ☐ **Robotics**
 - Machine vs Computer vs Robots ☐
 - Parts of a Robot ☐
 - Classification of Robots ☐
 - Advantages and Disadvantages of Robot ☐
 - Applications of Robotics in Agriculture, industry, defence, etc. ☐

- ☐ **AI**
 - Neural networks ☐
 - Machine Learning and Deep learning ☐
 - Application of AI ☐
 - Artificial Intelligence and Robotics ☐

IPR

- ☐ **IPR**
 - What are Intellectual Property Rights (IPR)? ☐
 - Types of Intellectual Property Rights ☐

- International Agreements and Institution on IPR ☐
- IPR Regime in India ☐
- National Intellectual Property Rights Policy ☐

INSTITUTIONS & POLICY

□ Institutions & Policy

- India's policy in the field of the science and technology ☐
- Various policies for S&T ☐
- Institutional structure ☐
- Department of Science & Technology ☐
- CSIR ☐
- Science and Engineering Research Board ☐
- 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 ☐
- India and global collaboration in science projects ☐
- Technology Vision Document 2035 ☐

CONTEMPORARY ISSUES

□ SPACE

- Modified Newtonian Dynamics (MOND)
- PRATUSH - India's Moon based Telescope
- Soft Landing on Moon
- India's First Indigenous Space Mission
- NISAR Mission
- Another eye in sky, on ground: India is now part of world's largest radio telescope project
- ISRO to launch XPoSat and 10 other payloads
- Japan' Slim lander on Moon
- Indian researchers detect X-Ray Polarization in Extragalactic black hole
- Aditya L1 Mission
- Applications of NavIC
- Chandrayaan-3: Mission to Moon
- Peace & security in outer space
- Indian Space Policy – 2023
- EOS-06 satellite: Application and Technological Edge
- ISRO launches new rocket SSLV-D2
- NASA's Artemis mission
- The search for Dark Matter- LUX-ZEPLIN (LZ)
- International Liquid-Mirror Telescope (ILMT)
- POEM-3 Mission and Space Debris
- LIGO Project

□ IT, TELECOM & ELECTRONICS

- The Dark Web
- Europe's AI Convention
- US-UK Partnership on AI
- Cyber Slavery
- Digital Divide And India
- World's first AI Law
- End-to-End Encryption
- Threats to Net neutrality in India
- IndiaAI 2023
- Personalised Adaptive Learning (PAL) with AI
- Dark Patterns
- Gaps in AePS abused by cybercriminals
- Generative artificial intelligence (GAI)
- "Organoid Intelligence" – Revolutionary Biocomputers
- Bluebugging and hacking Bluetooth-enabled devices
- 5G Technology launched in its full pace in India
- Facial Recognition Technology
- Deepfakes: Challenges and Mitigation

□ DEFENCE

- China's Offensive Air Capabilities along LAC
- LVM3 Commercialisation
- Development of Electric Propulsion System For Indian Warships

- Kavach system
- Exercise TARKASH: Chemical and biological warfare
- Interpol launches Metaverse for global law enforcement

□ **NANO-SCIENCE & NANO-TECHNOLOGY**

- National Quantum Mission (NQM)
- Nanoparticle and Cancer treatment
- Room temperature superconductivity
- Quantum Computing: New era computers
- Graphene: Application and Properties
- Nano Urea
- Brainware
- Carbon Nanoflorets

□ **ROBOTICS**

- Drones to monitor worksites
- HAL to provide MRO for MQ-9B drone engines in India
- New Autonomous Flying Wing Technology Demonstrator

□ **NUCLEAR ENERGY**

- Role of Nuclear Technology in Global Food Safety
- 50 years of Pokhran-I
- India's beaches and a nuclear-powered future
- Nuclear Power and Waste Management: Issues and Challenges
- Radiocarbon dating
- Breakthrough in nuclear fusion energy
- MIRV Technology: Application and Challenges

□ **BIOTECHNOLOGY**

- The evolution of Neuroscience
- '10,000 genome' project completed
- Navigating the Ethical Frontiers of CRISPR
- The untapped potential of stem cells
- mRNA, the Next Frontier for Personalized Medicine
- The future of healthcare is in our genes
- Population-level genome sequencing: Benefits
- India fight against cancer and Cancer care

- NICED and detection of drug-resistant H. pylori possible
- Pink Bollworm Threat for Bt Cotton
- Metagenome Sequencing
- Understanding a Human Pan-genome Map
- Mitochondrial Donation Treatment (MDT) and Inherited Diseases
- The Auto-Immune Inflammation of Blood Vessels: Vasculitis
- Side-Effects of Covid-19 Vaccine
- CAR T-Cell Therapy
- Gene Therapy for Hemophilia A
- Global Trans Fat Elimination: WHO Report

□ **RENEWABLE ENERGY**

- Flex-fuel prototype
- Hydrogen Fuel Cell
- Electric Batteries and Electrochemical Cells
- Green Hydrogen - Substitute to Fossil Fuel

□ **ACHIEVEMENTS OF INDIANS IN SCIENCE & TECHNOLOGY**

- Chemistry Nobel 2023
- Nobel Prize in Medicine 2023
- Nobel Prize in Physics 2023
- Shrinivas R Kulkarni Awarded Shaw Prize
- Blavatnik Awards in UK:
 - Rahul R Nair - Physical Sciences & Engineering for developing novel membranes based on two-dimensional (2D) materials
 - Mehul Malik - Techniques that harness high-dimensional entanglement, a complex quantum physics phenomenon
 - Tanmay Bharat - Developing cutting-edge techniques in electron cryotomography (cryo-ET) to create atomic-level pictures of cell-surface molecules produced by microscopic bacteria and archaea.
- Subra Suresh – National Medal of Science

ENVIRONMENT & ECOLOGY

□ 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 ☐

□ Ecosystem and its dynamics

- Ecosystem Definitions ☐
- Functions and Properties of Ecosystem ☐
- The Structure/Components of Ecosystem ☐
 - Abiotic Components ☐
 - Biotic Components ☐
- Ecosystem Dynamics ☐
 - Flow of Energy in Ecosystem ☐
 - Trophic Levels ☐

- Food Chain ☐
- Types & Significance of Food Chain ☐
- Food Web ☐
- Models for Energy Flow ☐
- Ecological Productivity ☐
- Ecological Pyramid ☐
- Biomagnifications ☐
- Biological Control ☐
- Organic Farming ☐

□ Biogeochemical Cycles

- Types of Biogeochemical Cycle ☐
 - Carbon Cycle ☐
 - Nitrogen Cycle ☐
 - Phosphorus Cycle ☐
 - Sulphur Cycle ☐

□ Biomes: Forest, Grassland, Mountain, and Desert Ecosystems

- Biome ☐
- Grasslands ☐
- Tundra ☐
- Deserts ☐
- Thar desert ☐
- Mountain biome ☐

□ Aquatic Life Zones: Ocean, Rivers, Lakes, and Wetlands

- 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 ☐

□ **Biodiversity Basics**

- 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
- Megadivers Countries ☐
- Uses and values of biodiversity ☐
- State of global 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 ☐
- Biogeographical classification of India ☐

□ **Biodiversity Conservation**

- Ex-situ and 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

□ **Effect of Human Activities on Environment**

- Effect of Modern Agriculture on Environment ☐
- Effect of Housing on Environment ☐
- Effect of Power Generation on Environment ☐
- Effect of River Valley Projects (Water Resource Projects) on Environment ☐
- Effect of Mining on Environment ☐
- Effect of Transportation Activities on Environment ☐
- Effect of Tourism on Environment ☐

□ **Water Resource degradation**

- Water Cycle (Hydrological Cycle) ☐

<ul style="list-style-type: none"> • Availability and Quality Aspects (groundwater depletion) <input type="checkbox"/> • Water-borne and Water-induced Diseases <input type="checkbox"/> • Fluoride Problem in Drinking Water <input type="checkbox"/> • Arsenic Problem in Drinking Water <input type="checkbox"/> 	<ul style="list-style-type: none"> • Plastic Waste <input type="checkbox"/> • Methods for Waste Management <input type="checkbox"/> • Effects of Poor Waste Disposal <input type="checkbox"/> • Landfill <input type="checkbox"/>
<p>❑ Minerals & Environmental Degradation</p> <ul style="list-style-type: none"> • Mining and Environment <input type="checkbox"/> • Sensitivity of Select Ecosystems to Mining <input type="checkbox"/> • Impact of Mining <input type="checkbox"/> • Indirect Impact of Mining <input type="checkbox"/> • International Laws on Mining <input type="checkbox"/> • Main Act or Statute to regulate the impact of Indian Mining Sector <input type="checkbox"/> • Sustainable Mining <input type="checkbox"/> 	<p>❑ Sustainable Development</p> <ul style="list-style-type: none"> • Principles of sustainability <input type="checkbox"/> • Measurement of Sustainability or Sustainable Ethics or Equitable Utilisation of Natural Resource <input type="checkbox"/> • Sustainable Lifestyle (Role of an individual in sustainable development) <input type="checkbox"/> • Challenges to Sustainable Development <input type="checkbox"/> • International Efforts to Achieve Sustainability <input type="checkbox"/>
<p>❑ Deforestation</p> <ul style="list-style-type: none"> • Causes of Deforestation <input type="checkbox"/> • Implications of Deforestation for Climate Change <input type="checkbox"/> • Consequences of Deforestation on the Wildlife of India <input type="checkbox"/> • Impact of Deforestation on Indian Monsoon <input type="checkbox"/> • Impact of Deforestation on People <input type="checkbox"/> • Deforestation Leads to Water and Soil Resources Loss and Flooding <input type="checkbox"/> • Economical Impacts <input type="checkbox"/> • Strategies for Reducing Deforestation <input type="checkbox"/> • Government Programmes for Conservation of Forests <input type="checkbox"/> • Legislations for Conservation of Forests using People Participation <input type="checkbox"/> • Steps for Improving People Participation in Forest Resource Management <input type="checkbox"/> • Use of Local Traditional Methods <input type="checkbox"/> 	<p>❑ Environmental Pollution</p> <ul style="list-style-type: none"> • Air Pollution <input type="checkbox"/> • Sources of Air Pollution <input type="checkbox"/> • Effects of Air Pollution <input type="checkbox"/> • Classification of Air Pollutant <input type="checkbox"/> • Control Measures of Air Pollution <input type="checkbox"/> • Air Pollution Disasters <input type="checkbox"/> • Persistent Organic Pollutants (Long Range Transport of Gaseous Air Pollutants) <input type="checkbox"/> • National Ambient Air Quality Standards <input type="checkbox"/> • Water Pollution <input type="checkbox"/> • Sources of Water Pollution <input type="checkbox"/> • Types of Water Pollutants <input type="checkbox"/> • Effects of Water Pollution <input type="checkbox"/> • Water Quality Standards <input type="checkbox"/> • Control of Water Pollution <input type="checkbox"/> • Thermal Pollution <input type="checkbox"/> • Sources of Thermal Pollution <input type="checkbox"/> • Effects of Thermal Pollution <input type="checkbox"/> • Control of Thermal Pollution <input type="checkbox"/> • Soil Pollution or Land Degradation <input type="checkbox"/> • Sources of Soil Pollution <input type="checkbox"/> • Effects of Soil Pollution <input type="checkbox"/> • Control Measures <input type="checkbox"/> • Noise Pollution <input type="checkbox"/>
<p>❑ Waste Management</p> <ul style="list-style-type: none"> • Solid Waste <input type="checkbox"/> • Hazardous Waste <input type="checkbox"/> • E-Waste <input type="checkbox"/> • Bio Medical Waste <input type="checkbox"/> 	

- Air-borne Diseases ☐
- Toxic Substances: Toxicant, Toxicity and Toxicology ☐
- Factors affecting toxicity ☐
- Carcinogens ☐

□ Solid Waste Management

- Sources of Solid Waste ☐
- Effect of Solid Waste ☐
- Control Measures of Solid Waste ☐
- Solid Waste Management Rules ☐
- Hazardous Waste Management (HWM) ☐

□ Coastal Ecosystem Management

- Mangroves ☐
- Salient features of Mangroves ☐
- Importance of Mangroves ☐
- 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 of Coastal Ecosystem ☐

□ Recent developments

- Air Pollution ☐
- Report on Air Pollution ☐
- Bharat Stage Emission Standards ☐
- Polluters Pay Model ☐
- Household Air Pollution ☐
- Open Waste Burning and its Impact ☐
- Graded Response Action Plan on Pollution ☐
- UN Sets Limits on Global Airline ☐
- Emissions ☐

- Waste Management ☐
- Biodegradable Plastics ☐
- Green Train Corridors ☐
- Oil Spill ☐
- Solid Waste Management-Buffer Zone ☐
- Other News ☐
- Report of Parliamentary Committee on Forest Fires ☐
- Urban Forestry Scheme ☐
- Draft Notification to Regulate Pet Shops ☐
- Ban on Import of Animal Skin ☐
- River linking Project and Impact on Environment ☐
- Algal Bloom Issue ☐
- Illegal Salt Mining and its Impact ☐
- India's Wetland Report, 2023 ☐
- Deep Sea Mining ☐
- Mass Coral Bleaching ☐
- Ganga River Pollution ☐

□ Environmental Impact Assessment

- Government Body which Executes EIA ☐
- Environmental Effects Analysed under EIA ☐
- Process of EIA ☐
- EIA Ruling 1984 ☐

□ Environmental Laws

- 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 ☐

□ Environment related Institutions and Organizations

- Pollution Control Boards ☐
- National Green Tribunal ☐
- Forest Survey of India ☐
- National Board for Wildlife ☐

□ Schemes

- Ecomark Scheme ☐
- National Afforestation Program ☐
- National River Conservation Plan ☐
- National Mission for Clean Ganga ☐
- National Air Quality Index (AQI) ☐
- National Action Programme to Combat Desertification ☐
- UJALA Scheme ☐
- Bharat Stage Norms ☐
- FAME III ☐

□ International Environmental Governance

- UNEP ☐
- UNDP, UNFCCC, UNCCD ☐
- Centre for Biological Diversity ☐
- WWF for Nature ☐
- IUCN - Red List ☐
- Birdlife International ☐
- International Conventions/Protocols & their Objectives ☐

□ Basics of Climate change

- Green House Effect and Global Warming ☐
- Global Climate Change: International Efforts to Control Global Warming or Global Climate Change ☐
- Ozone Layer Depletion or Ozone Hole ☐

- Acid Rain ☐
- El Nino ☐
- La Nina ☐

□ Urbanization and climate

- Pollution in metros and climate change ☐
- Real estate boom and environment degradation ☐
- Urban Heat Island ☐
- Polythene bags and pollution ☐
- Methane generation from waste ☐

□ Impact of agriculture on climate

- Agriculture increases Carbon Dioxide Emissions ☐
- Monoculture practice impacts biodiversity ☐
- Pollution due to use of chemical fertilizers ☐
- Soil-related effects ☐
- Fertilizer's Effect on the Environment ☐
- Impact of livestock on environment ☐
- Impact of use of pesticides on environment ☐
- Impact of GM crop on environment ☐
- Emission of Methane from agricultural practices ☐
- Sustainable Agriculture Techniques ☐

□ Global Warming & Health

- Health impacts of global warming ☐
- Mosquito-borne diseases ☐
- Ozone depletion and human health ☐

CONTEMPORARY ISSUES

□ Ecosystem and Ecology

- IUCN Report on Mangrove Ecosystems
- Coral Bleaching in Great Barrier Reef
- Marine Heatwaves in Arctic Ocean

- Coastal Erosion impacting ecosystem
- Deoxygenation in Riverine Ecosystems

□ Biodiversity

- Impact of El Nino on the lakes of World

- Turtle conservation
- Tiger conservation
- Artificial reefs
- Sundarbans: Becoming a Fragile ecosystem
- Market-Based Approaches to Forest Conservation
- Constructed Wetlands: Benefits and Challenges
- Vultures at Risk in India
- Great Indian Bustards: Conservation and challenges
- Threat of Invasive Alien Species
- India's Soil Erosion Crisis
- Forest Fires in India
- Status of Leopards in India 2022
- IUCN Assessment of the Himalayan Wolf
- One Year of Project Cheetah

□ **Pollution**

- Rising pollution in Indian Rivers
- Pest attack and its impact on crop production
- Air Pollution Control in India
- Groundwater Contamination in India
- Plastic Waste Crisis in the Indian Himalayan Region
- India's Battle Against Single-Use Plastics
- Nitrogen Pollution: Issues and Challenges
- Radioactive Discharges from Indian Nuclear Plants
- Acid Rain: Impact on Environment
- India's Coal Plants: SO₂ Emission Control
- 8-Point Plan in NCR and Nearby Regions under GRAP Stage-IV
- Metal Mining Pollution

□ **Waste Management**

- Microplastics: Impact on Land and water
- Issue of Solid Waste Management
- Solar Waste Management: New

Challenges

- E-Waste Management in India
- Converting Plastic Waste into Fuel

□ **Environmental Conservation**

- Anthropocene
- Declining green cover in Cauvery river basin
- Green Industrialisation Initiative
- Manufactured Sand
- Rising Global Temperatures
- Amazon Forest Fire: Global Impact
- Desertification: Issues and Challenges
- Harnessing Biomass Cultivation on Degraded Land
- Mining in Aravalli Range
- Ensuring Safety and Health at Work in a Changing Climate
- Carbon Farming: A Path to Sustainable Agriculture
- Electric Mobility: A new paradigm in India
- Water Crisis in Urban India: Impact on Environment
- Used Heavy Duty Vehicles and the Environment
- Land Management for Sustainable Development
- India's Green Energy Transition in times of climate change
- Green Hydrogen: Enabling Measures Roadmap for Adoption in India
- India's Green Future through BioCNG
- Ethical, Social and Cultural Risks of Climate Engineering
- CCUS Policy Framework: NITI Ayog
- Ammonia: Potential Automotive Fuel

□ **Environmental Governance**

- SC stand on projects in Kumaon Himalayas
- Laws for flora and fauna rescue from smuggling
- Illegal Sand Mining in Indian river basins
- Climate Migration

- Regenerative Blue Economy
- NABARD's Climate Strategy 2030
- Plastic Waste Management (Amendment) Rules, 2024
- Human-Animal Conflict
- Wild Life Licensing Rules 2024
- EU's Carbon Border Tax Impact
- Greenwashing
- Climate Change Performance Index 2024
- International Energy Agency's Coal 2023 Report
- Battery Waste Management Rules, 2022
- EIA For Himalayan Region
- Biological Diversity (Amendment) Bill, 2021

□ **Environmental Laws, Conventions and Protocols**

- Brazzaville Declaration
- Recovery of Ozone Layer
- KAZA Summit 2024 and Wildlife Product Trade

- Paris Agreement Climate Finance Target for 2022
- 19th Session of United Nations Forum on Forest
- World Wildlife Crime Report 2024
- The State of the Climate in Asia 2023
- Green Credit Program
- Human Rights and Environment
- Kunming-Montreal GBF Implications for India's Indigenous Tribes
- Climate Finance Road to COP29
- Global E-waste Monitor 2024
- Global Methane Tracker 2024
- State of the Global Climate 2023: WMO
- World Air Quality Report 2023
- IPCC Reports and Equity in Climate Change Mitigation
- The Unjust Climate: FAO
- CMS COP14
- Emissions Gap Report 2023: UNEP
- Bonn Climate Meet



INTERNAL SECURITY

□ Internal Security Challenges

- Social Diversity as Issues of Security ☐
- Challenges from within Neighbours as Issue of Security Threat ☐
- Non-State Actors as Issue of Security Threat ☐
- Global Indices and Measurement of Vulnerability of a State Towards such Non-State Actors ☐
- Law and Order vs. Internal Security ☐

□ Terrorism Threat to India

- Changing face of Terrorism ☐
- Terror Threats Faced by India ☐
- Broader Framework to Deal with Terrorism ☐
- Drawbacks in Intelligence Infrastructure ☐

□ Organized Crime

- Types of Organized Crime ☐
- Problems in controlling organized crimes ☐
- Drug trafficking in India ☐
- Combating organized crimes ☐
- Linkage of Terrorism and Organized Crime in India ☐

□ Linkage between Development and Spread of Extremism

- Stated Purpose of the Naxal Movement ☐
- Covid 19 and Naxalism ☐
- Why naxalism got huge support from common man? ☐
- Why naxalism is biggest threat to internal security? ☐

□ Insurgency in North-East

- Issues & Conflicts ☐
- Assam Insurgency ☐

- Resolving the Bodo Issue ☐

□ Security Challenges in Border Areas

- Challenges to Border Management ☐
- Issues Faced in Border Management ☐
- Community Participation for Border Management ☐

□ Basics of Cyber Security

- Types of Cyber Crimes ☐
- Impact and Steps needed ☐
- Recent Incident: Ransomware ☐
- India's Cyber Security Infrastructure ☐
- The National Cyber Security Policy of India 2013 ☐

□ Cyber Warfare

- Factors Contributing/Aggravating Rise of Cyber Attack ☐
- Recent Initiatives for Tackling Cyber Warfare ☐

□ Social Media and Internal Security Threat

- Regulation of Social Media in India for Internal Security ☐
- Artificial Intelligence ☐
- Challenges in Monitoring Social Media ☐
- Steps Needed ☐

□ Money Laundering

- Meaning of Money Laundering ☐
- Harmful Effects of Money Laundering ☐
- Steps taken by the Government ☐

□ Black Money in India

- Parallel Economy in India ☐
- What are the various measures taken ☐

by Government to curb Black Money?

- Impact of demonetisation on black money ☐
- Criticisms ☐

□ Police Reforms in India

- The Organisational Structure ☐
- Duties and Responsibilities of the Police ☐
- Centre's Role in Policing ☐
- Traditional Security Challenges ☐
- Non-Traditional Security Challenges (NTS) ☐
- Recommendations for Police Reforms ☐
- Police we Want in 21st Century ☐

□ Various Security Forces and their Mandate

- Assam Rifles ☐
- Border Security Force (BSF) ☐
- Indo-Tibetan Border Police ☐
- Central Industrial Security Force (CISF) ☐
- Central Reserve Police Force ☐
- National Security Guard ☐
- Integrated theatre commands ☐
- National Maritime Security Coordinator ☐
- Issues with Paramilitary Forces ☐

CONTEMPORARY ISSUES

□ Border Security and Territorial Integrity

- India-China Border Tensions in Ladakh (Galwan Valley standoff continuation)
- India-Pakistan ceasefire agreement along the Line of Control (LoC) (February 2021)
- Developments in the Indo-Pacific region and Quad Summit discussions
- Demographic inversion in border areas due to illegal immigration

□ Internal Security

- Naxal-Maoist Insurgency and major encounters (e.g., Bijapur attack in Chhattisgarh, April 2021)
- Developments in Jammu & Kashmir, post-Article 370 abrogation, increasing terrorist attacks eg. Reasi attack
- Rising communal tensions and measures to address them
- Nexus between drug smuggling and terrorist organisations
- Geospatial data and internal security
- Anti-maritime piracy act

□ Cybersecurity

- Rising cyberattacks on Indian infrastructure and enterprises
- Government initiatives on cybersecurity, including the National Cyber Security Strategy 2021
- Pegasus spyware controversy and its implications
- Ransomware-Akira
- Threats posed by deepfakes to social trust

□ Terrorism

- Counter-terrorism measures and policies
- Recent terrorist attacks and India's responses
- Role of international organizations like FATF in curbing terrorism financing

□ Defense Technology and Modernization

- Indigenization of defense production and Atmanirbhar Bharat in defense
- Development and induction of new defense systems like the S-400 Triumf, Tejas Mk1A, and various indigenous missiles

- Maritime security and commissioning of new naval assets

□ **Maritime Security**

- Strategic developments in the Indian Ocean Region (IOR)
- India's engagements in Indo-Pacific and Quad security dialogues
- Piracy incidents and India's anti-piracy operations
- India's deployment of naval ships in the Arabian Sea amid rising attacks on merchant vessels highlights the strategic importance of maritime security
- Drone Attacks on Merchant Vessels

□ **Space Security**

- Advancements in India's space capabilities (e.g., Gaganyaan mission updates, satellite launches)
- India's participation in global space security dialogues

□ **Biological and Chemical Threats**

- Preparedness against biological warfare in the context of COVID-19
- Chemical weapon threats and India's compliance with international conventions

□ **Intelligence and Surveillance**

- Enhancements in intelligence capabilities
- Role of agencies like RAW, IB, and NIA in national security

□ **Legislative and Policy Developments**

- National Security Act (NSA) and its recent applications
- Unlawful Activities (Prevention) Act (UAPA) and its amendments
- Personal Data Protection Bill and its implications on national security



DISASTER MANAGEMENT

□ Natural & Man-Made Disasters

- Types of disasters ☐
- India's vulnerability profile ☐
- Earthquakes ☐
- Tsunamis ☐
- Landslides ☐
- Flood ☐
- Drought ☐
- Epidemics ☐
- Nuclear Reactor explosion ☐
- Dam collapse ☐
- Gas Leakage ☐
- Oil Spill ☐
- Volcanic Eruption ☐
- Forest fires ☐

□ Man-made Disasters

- Chemical Spills ☐
- Hazardous Material Spills ☐
- Explosives ☐

- Chemical or Biological Attacks ☐
- Nuclear Blasts ☐
- Rail Accident, Airline Crash ☐
- Ground Water Poisoning ☐

□ Disaster Management, Preparedness & Mitigation

- Management of disasters ☐
- Community management ☐
- Government initiatives to tackle disasters ☐
- National disaster management act, 2005 ☐
- Global framework for disaster risk reduction ☐
- Disaster Insurance ☐
- Role of media in disaster management ☐
- Gender implications of disasters ☐
- Disaster management cycle ☐
- Role of NGOs in disaster management ☐
- Pre disaster preparation ☐

CONTEMPORARY ISSUES

- | | |
|---|--|
| <ul style="list-style-type: none"> ◦ Update and implementation of the National Disaster Management Plan (NDMP) ◦ Launch of the National Disaster Response Force (NDRF) App ◦ Improvements in the Early Warning Systems for disasters ◦ Use of Artificial Intelligence (AI) and Geographic Information Systems (GIS) in disaster prediction and management ◦ Satellite-based monitoring for natural disasters ◦ Role of Science and Technology in Disaster Management ◦ Pandemic preparedness fund ◦ Disaster Induced Displacement ◦ Urban Flood Management (to tackle frequent floods) | <ul style="list-style-type: none"> ◦ Disaster Risk Financing (G20) ◦ India's increasing climate vulnerability demands urgent disaster preparedness ◦ India achieving Atmanirbharta in Disaster Management ◦ India's Disaster Management Model through Türkiye's case study ◦ India's Disaster Management: Joshimath Crisis ◦ Prime Minister's Ten Point Agenda on Disaster Risk Reduction ◦ The Sendai Framework For Disaster Risk Reduction ◦ Disaster Resilience- CDRI ◦ National Policy on disaster management |
|---|--|

ETHICS, INTEGRITY & APTITUDE

□ Ethics Basic Introduction

- Dimensions of Ethics ☐
- Essence of Ethics ☐
- Approaches of Ethical Study as Indian Perspective and Western Perspective ☐
- Basic concept of ethics morality and value ☐
- Ethics in public life ☐
- Ethics in Economic Life ☐
- Freedom and Discipline ☐
- Duties and Rights ☐
- Virtue Ethics ☐
- Consequences of Ethics in Human Actions ☐
- Values and Ethics in Government: ☐
- Contribution of Family in Value Education ☐

□ Human Values

- Human value & Socialization ☐
- Individual Personality and Value ☐
- Values and Skill ☐
- Fundamental and Instrumental Values ☐
- Democratic values ☐
- Role of ethical value in governance and society ☐
- Significance of value in Civil Services ☐
- Contribution of Society in Inculcating Values ☐
- Role of Educational Institutions in Inculcating Values ☐
- Aesthetic values ☐
- Values in work life and professional ethics ☐

□ Aptitude and foundational values of civil services

- Essential Aptitude for civil servants ☐
- Foundational Values of Civil Services ☐
- Neutrality ☐
- Anonymity ☐
- Civil Services Accountability ☐
- Integrity ☐
- Humility ☐
- Adaptability ☐
- Magnanimity ☐
- Perseverance ☐
- Impartiality and Non-Partisanship ☐
- Tolerance and compassion for the weaker section ☐
- Contribution to society ☐

□ India & World Thinkers/Leaders/Administrators

- Mahatma Gandhi ☐
- Dr. S. Radhakrishnan ☐
- Rabindranath Tagore ☐
- Swami Dayanand Saraswati ☐
- Mahadeva Govinda Ranade ☐
- Sri Aurobindo ☐
- Swami Vivekananda ☐
- Sardar Patel ☐
- Buddha Bhim Rao Ambedkar ☐
- Raja Ram Mohan Roy ☐
- Chhatrapati Shahu Maharaj ☐
- Mother Teresa ☐
- Amitabha Chowdhury ☐
- Aruna Roy ☐

- T. N. Seshan ☐
- E. Sreedharan ☐
- Administrative Thinkers ☐
- Max Weber ☐
- Elton Mayo ☐
- Peter Drucker ☐
- Chester Barnard ☐
- Mary Parker Follet ☐
- Plato ☐
- Aristotle ☐
- Socrates ☐
- Jeremy Bentham ☐
- JS Mill ☐
- Thomas Hobbes ☐
- John Locke ☐
- Jean Jacques Rousseau ☐
- John Rawls ☐
- Immanuel Kant ☐
- Carol Gilligan ☐
- Jean Paul Sartre ☐
- Georg Wilhelm Friedrich Hegel ☐
- Confucius ☐
- René Descartes ☐
- Karl Marx ☐
- Adam Smith ☐
- Thomas Aquinas ☐
- David Hume ☐
- Democritus ☐
- Galileo ☐
- Friedrich Nietzsche ☐
- Montesquieu ☐
- Voltaire ☐
- Thomas Jefferson ☐
- Benjamin Franklin ☐
- Martin Luther King ☐
- Dalai Lama ☐
- Nelson Mandela ☐
- Mahatma Gandhi ☐
- Siddhartha Gautama ☐
- Aung San Suu Kyi ☐

- Swami Vivekanand ☐
- Albert Einstein ☐
- Abraham Lincoln ☐
- Mother Teresa ☐
- J. L. Nehru ☐
- Lee Kuan Yew ☐
- Henry Ford ☐
- Abdul Kalam ☐
- Muhammad Yunus ☐
- Wangari Maathai ☐
- Kofi Annan ☐
- Lech Walesa ☐
- Desmond Tutu ☐
- Isaac Newton ☐
- Elie Wiesel ☐
- King Ashoka ☐
- Sun Yat Sen ☐

□ Attitude

- Components of Attitude ☐
- Affective component ☐
- Cognitive component ☐
- Behavioral component ☐
- Functions of Attitude ☐
- Adjustive Function ☐
- Ego-Defensive Function ☐
- Value-Expressive Function ☐
- Knowledge Function ☐
- Attitude Formation Model ☐
- Impact of Beliefs and Values ☐
- Group Influences ☐
- Social Influence ☐
- Persuasion Tactics ☐
- Tools of Persuasion ☐
- Moral Attitude formation ☐
- Political Attitude formation ☐

□ Emotional Intelligence

- Theories Associated with Emotional Intelligence ☐
- Can Emotional Intelligence be Developed? ☐

- Components of Emotional Competencies ☐
- The Self-Awareness Cluster: Understanding Feelings and Accurate Self-Assessment ☐
- The Self-Management Cluster: Managing Internal States, Impulses, and Resources ☐
- The Social Awareness Cluster: Reading People and Groups Accurately ☐
- The Relationship Management Cluster: Inducing Desirable Responses in Others ☐
- Importance of Emotional Intelligence at Workplace ☐
- Importance of Emotional Intelligence in Civil Services ☐

□ **Values & Ethics in Public Administration**

- Ethical Concerns in Public Institution ☐
- Ethical Concerns in Private Institutions ☐
- Ethical Dilemmas in Public and Private Institutions ☐
- Laws, Rules and Regulations as Source of Ethical Guidance ☐
- Accountability and Ethical Governance Strengthening of Ethical and Moral Values in Governance ☐
- Moral Judgements in International Relations ☐
- Ethical Relation in Funding International Relations and concept of Moral Responsibility ☐
- Ethics in working of international organizations ☐
- What is Corporate Governance? ☐
- Models of Corporate Social Responsibility ☐
- Steps taken by World Bank for Good Corporate Governance ☐
- Norms for Corporate Government in India ☐
- Concept of business ethics ☐

□ **Probity in Governance**

- Concept of Public Service ☐
- Philosophical basis of Governance and Probity ☐

- Information Sharing, Transparency and Right to Information ☐
- Flaws in RTI and recommendations for improvement ☐
- Importance of vigilant citizens ☐
- Information sharing and participation ☐
- Importance of Code of ethics ☐
- Code of Ethics in Professions ☐
- Code of Conduct for Ministers; for Legislators; for Civil Servants; for Regulators and for the Judiciary ☐
- Components of a Citizen Charter ☐
- Steps in formulation of a Citizen's Charter ☐
- Concept of Work Culture ☐
- The Indian Approach to Work ☐
- Methods of improving Work Culture ☐
- Quality of Service Delivery ☐
- Utilisation of Public Funds ☐
- Problems in Fund Release and Utilization ☐
- Parliamentary Control on Expenditure ☐
- Corruption in India: extent, dimension, and response ☐
- Corruption as a Social Evil ☐
- Probity in public life Corrupt practice among civil servants and official misconduct ☐
- Exposing corruption: Civil Society initiatives and role of Whistleblower Act ☐
- Tackling corruption: Role of government and institutions of governance ☐
- Controlling corruption: Various approaches and efficacy ☐

□ **Applied Ethics**

- Euthanasia Issue ☐
 - Social and Ethical Angle ☐
 - Different arguments related to Euthanasia ☐
 - Conclusion ☐
- Surrogacy ☐
 - Case study ☐

<ul style="list-style-type: none"> ◦ Issues <input type="checkbox"/> ◦ Ethical Issues <input type="checkbox"/> ◦ Concept of ethical surrogacy <input type="checkbox"/> ◦ Conclusion <input type="checkbox"/> • Ethics & Sports <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Importance of sports <input type="checkbox"/> ◦ Ethical Issue: Need for sportsmanship <input type="checkbox"/> ◦ Ethical Issue: Doping <input type="checkbox"/> ◦ Ethical Issue: Discrimination and Sexual Harassment <input type="checkbox"/> ◦ Ethical Issue: Sports as a Business <input type="checkbox"/> ◦ Steps needed <input type="checkbox"/> • Media Ethics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Role of Media <input type="checkbox"/> ◦ Ethical Issues faced by Reporters <input type="checkbox"/> ◦ Trial by Media <input type="checkbox"/> ◦ Media Prejudice <input type="checkbox"/> ◦ Ethical Dilemma faced by Photo Journalists <input type="checkbox"/> ◦ Digital Media Ethics <input type="checkbox"/> ◦ Paid News <input type="checkbox"/> • Business Ethics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Principles of Business Ethics <input type="checkbox"/> ◦ Dimensions related to Business Ethics in Organisation <input type="checkbox"/> ◦ Business Ethics and Corporate Governance <input type="checkbox"/> ◦ Journey from Philanthropy to Corporate Social Responsibility <input type="checkbox"/> ◦ Issues related to Corporate Social Responsibility <input type="checkbox"/> ◦ Issues in implementation of Business Ethics <input type="checkbox"/> • Ethics Related to Economic Sanctions <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Why Economic Sanctions placed? <input type="checkbox"/> ◦ Ethics in Economic Sanctions <input type="checkbox"/> 	<ul style="list-style-type: none"> ◦ Conclusion <input type="checkbox"/> • Refugees & Ethics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Why Migration occurs? <input type="checkbox"/> ◦ Case study of Syria <input type="checkbox"/> ◦ Dilemmas related to Refugee crisis <input type="checkbox"/> ◦ Steps needed <input type="checkbox"/> • Ethical Dilemmas of Globalization <input type="checkbox"/> <ul style="list-style-type: none"> ◦ What is Globalization <input type="checkbox"/> ◦ Free trade in Globalized world <input type="checkbox"/> ◦ Issues with Newly developed trade patterns <input type="checkbox"/> ◦ Criticism against global regime <input type="checkbox"/> ◦ Way forward <input type="checkbox"/> • Ethics of War <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Ethics and War theories <input type="checkbox"/> ◦ Evils of war <input type="checkbox"/> • Environmental Ethics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Linkage between Ethics and Environment <input type="checkbox"/> ◦ Theories related to Environmental ethics <input type="checkbox"/> ◦ Role of individual <input type="checkbox"/> • Ethical Issues in Biotechnology <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Issues related to Stem Cell <input type="checkbox"/> ◦ Issues related to cloning <input type="checkbox"/> ◦ Issues related to designer babies <input type="checkbox"/> • Animal Ethics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Introduction <input type="checkbox"/> ◦ Issues of conducting research on animals <input type="checkbox"/> ◦ Issue of keeping animals as pets <input type="checkbox"/> ◦ Issue of Cruelty against animals <input type="checkbox"/> ◦ Conclusion <input type="checkbox"/> • Food Adulteration and Ethics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Ethical dimension <input type="checkbox"/> ◦ Ethical issue related to food additive <input type="checkbox"/> • Abortion: Ethical or Unethical <input type="checkbox"/>
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- Law of abortion in India ☐
- Recent Supreme Court verdict ☐
- Ethical Issue: Health of Women vs fetus ☐
- Justification for abortion ☐
- Argument against abortion ☐
- Abortion and women rights ☐
- Abortion and father rights ☐
- Honour Killing ☐
 - Honour killing is unethical ☐
 - Role of khap pachayat ☐
- Marital Rape ☐
 - Why Marital Rape should not be criminalized? ☐
 - Why Marital Rape should be criminalized? ☐
 - What are the hurdles? ☐
- Ethical Issue Involved in Child Labour ☐
 - Rights of children ☐

- Child labour and company ☐
- Solution ☐
- Role of consumer ☐
- Ethical Issue Involved in Treating Juvenile as Adult ☐
 - Juvenile justice system ☐
 - Negative implications ☐
- Ethics and Old Age ☐
 - Ethical issues ☐
 - Issues faced ☐
 - Importance of autonomy ☐
- Ethics in Public and Private Relationships ☐
 - Ethical values in Private Relationships ☐
 - Ethical principles in Public relationships ☐
 - Linkage between Private relationships and Public Relationships ☐

CONTEMPORARY ISSUES

- Ethics Of Elections
- Ethics in Digital Public Infrastructure
- Drones and Ethics
- Ethics and Artificial Intelligence
- Euthanasia
- Social Media Influencing
- Parliamentary Privileges and Ethics
- Judicial Ethics- Judicial Majoritarianism
- Internet Shutdowns and Ethics
- Ethics in IR: Trade and War
- Ethics in IR: Climate Change and Climate Finance
- Societal Ethics: Manual Scavenging
- Medical Ethics: Organ Transplant
- Ethics of War
- Ethics of Arbitration
- AI Ethics in Healthcare

- Ethics of Animal Rights
- Ethics of Gig Economy
- Weaponisation of Space
- Ethics of Migration
- Prisons and Ethics
- Judicial Ethics: Recusal by Judges
- Technological Ethics: Facial Recognition Technology
- Technological Ethics: Crypto Mining
- Clinical Trials
- Child Artists and Ethics
- Ethics and Law on Sedition
- Ethics and Universal Declaration of Human Rights
- Environmental Ethics: Cloud Seeding
- Environmental Ethics: Climate Change and Food Choices
- Modern Slavery

- | | |
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| <ul style="list-style-type: none"> • Patronage Appointments • Ethics and Cattle Management • Science Without Humanity • Ethical Conduct of Controlled Human Infection Studies (CHIS) • Ethics and Credit Rating Agencies • Student Suicides • Media Ethics • Consumerism • Wokeism • Ethics for Legislators • AI and Human Rights • Ethics and Climate Equality • Ethics in Sports • Labour/ Workers Ethics- Duration of Working Hours • Ethics of Nudge • Individual Social Responsibility (ISR) • Online Gaming • Ethics and Mining • Ethical Considerations in Stray Dog | <ul style="list-style-type: none"> • Control • Ethics and Grey-zone Warfare • Ethics and Brain-computer Interface (BCI) • Ethics and Paper Leaks • Use of Unfair Means (Cheating) in Examination • AI and Creativity • Ethics and Live-In Relationships • Ethics and Organ Transplantation • Ethics of Food Service and Safety • Political Ethics and Conflict of Interest • Freedom of Speech on Social Media • Moral Policing • Identity Politics and Gender Justice • Sex Workers' Rights • LGBTQIA+ Rights • Conflict of Interest in Public Policy • Reproductive Rights • Peacekeeping and Human Rights • Humanitarian Intervention |
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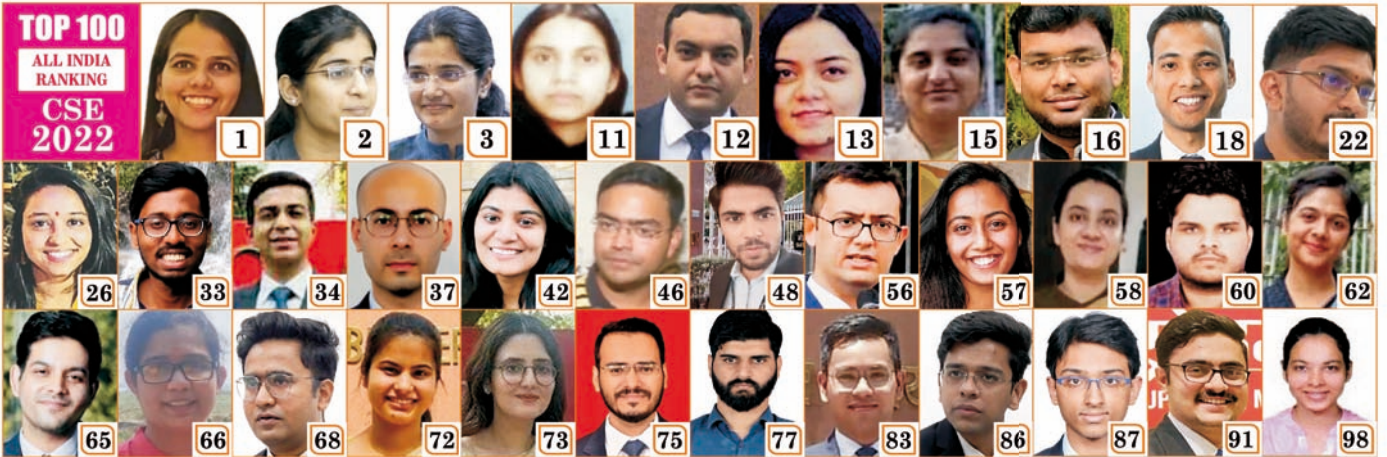


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