

**GS SCORE**

An Institute for Civil Services

# UPSC SYLLABUS EXPLAINED

**MICRO TOPICS LISTING**  
**PRE *cum* MAINS**

**UPDATED**  
*for*  
**IAS 2026-27**

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# GS SCORE

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# GS

# FOUNDATION

**Achieve  
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Just 10 Months**

"Stay on track with our structured programme and complete your syllabus efficiently, without compromising on quality."

**Be Fully  
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2025**

"Gear up for success! Complete preparation for the 2026 Mains by the end of 2025 with confidence and competence."

**Coordinated  
& Organized  
Preparation**

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

2026-27  
IAS

# 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

<ul style="list-style-type: none"> <li>• Administration <input type="checkbox"/></li> <li>• Society and Culture <input type="checkbox"/></li> <li>• Economy and the decline of Trade <input type="checkbox"/></li> <li>• Regional Kingdoms - Bengali, Kashmir, Jaunpur and Cultural History <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Social and Cultural Life <input type="checkbox"/></li> <li>• Economic Condition <input type="checkbox"/></li> <li>• Conflicts with the Bahmani Kingdom <input type="checkbox"/></li> <li>• Travellers of the Period 1200 AD to 1600 AD <input type="checkbox"/></li> </ul>
<p><b>□ Cholas and Other South Indian Kingdoms</b></p> <ul style="list-style-type: none"> <li>• Chola Rulers and Political History <input type="checkbox"/></li> <li>• Chola Administration <input type="checkbox"/></li> <li>• Socio-Economic Life <input type="checkbox"/></li> <li>• Education and Literature <input type="checkbox"/></li> <li>• The Cheras (9th to 12th Century) <input type="checkbox"/></li> <li>• The Yadavas (12th to 13th Century) <input type="checkbox"/></li> <li>• Contact with South-East Asia <input type="checkbox"/></li> </ul>	<p><b>□ Central Asian Politics and the Advance of Babur towards India</b></p> <ul style="list-style-type: none"> <li>• The Timurids <input type="checkbox"/></li> <li>• The Timurid-Uzbek <input type="checkbox"/></li> <li>• Uzbek-Iran Conflict and Babur <input type="checkbox"/></li> <li>• Babur's Advance towards India <input type="checkbox"/></li> </ul>
<p><b>□ Early Muslim Invasions</b></p> <ul style="list-style-type: none"> <li>• The Arab Conquest of Sindh <input type="checkbox"/></li> <li>• Mahmud of Ghazni <input type="checkbox"/></li> <li>• Muhammad Ghori <input type="checkbox"/></li> </ul>	<p><b>□ Struggle for Empire in North-India (Afghans, Rajputs and Mughals)</b></p> <ul style="list-style-type: none"> <li>• Struggle between Ibrahim Lodi and Babur, the Battle of Panipat <input type="checkbox"/></li> <li>• Babur's problems after the Battle of Panipat <input type="checkbox"/></li> <li>• Struggle with Rana Sanga <input type="checkbox"/></li> <li>• Problems of the Eastern Areas and the Afghans <input type="checkbox"/></li> <li>• Babur's Contribution and Significance of his Advent into India <input type="checkbox"/></li> </ul>
<p><b>□ The Delhi Sultanate (1206-1526 AD)</b></p> <ul style="list-style-type: none"> <li>• Slave Dynasty <input type="checkbox"/></li> <li>• Khalji Dynasty (1290-1320 AD) <input type="checkbox"/></li> <li>• Tughlaq Dynasty (1320-1414 AD) <input type="checkbox"/></li> <li>• Provincial Kingdoms and Resistance by Indian Chiefs <input type="checkbox"/></li> <li>• Sayyid Dynasty <input type="checkbox"/></li> <li>• Lodi Dynasty <input type="checkbox"/></li> <li>• Attacks by Mongols and other Turks <input type="checkbox"/></li> <li>• Administration <input type="checkbox"/></li> <li>• Economy <input type="checkbox"/></li> <li>• Urbanization <input type="checkbox"/></li> <li>• Society and Culture <input type="checkbox"/></li> <li>• Scientific Knowledge and legal System <input type="checkbox"/></li> <li>• Challenges leading to the decline of the Sultanate <input type="checkbox"/></li> </ul>	<p><b>□ Struggle for Empire in North India</b></p> <ul style="list-style-type: none"> <li>• Humayun and the Afghans <input type="checkbox"/></li> <li>• Early Activities of Humayun, and the Tussle with Bahadur Shah <input type="checkbox"/></li> <li>• The Gujarat Campaign <input type="checkbox"/></li> <li>• The Bengal Campaign, and Struggle with Sher Khan <input type="checkbox"/></li> </ul>
<p><b>□ Vijayanagar Empire</b></p> <ul style="list-style-type: none"> <li>• Sources <input type="checkbox"/></li> <li>• Political History <input type="checkbox"/></li> <li>• Administration <input type="checkbox"/></li> </ul>	<p><b>□ The Establishment of the North Indian Empire</b></p> <ul style="list-style-type: none"> <li>• The Surs dynasty <input type="checkbox"/></li> <li>• Sher Shah's Early Life <input type="checkbox"/></li> <li>• Social and Political Background of Bihar and the Rise of Sher Shah to Power. <input type="checkbox"/></li> <li>• The Sur Empire (1540-56) <input type="checkbox"/></li> <li>• Contributions of Sher Shah <input type="checkbox"/></li> </ul>
	<p><b>□ Consolidation and Expansion of the Empire - Akbar</b></p> <ul style="list-style-type: none"> <li>• Conflict with the Afghans - Hemu <input type="checkbox"/></li> </ul>

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

<ul style="list-style-type: none"> <li>• Rise of the Marathas - Early reign of Shivaji <input type="checkbox"/></li> <li>• Treaty of Purandar - the Agra Visit <input type="checkbox"/></li> <li>• Shivaji's Swarajya - Administration and Achievements <input type="checkbox"/></li> <li>• Aurangzeb and the Deccani States (1658-87) <input type="checkbox"/></li> <li>• Marathas and the Deccan (1687-1707) <input type="checkbox"/></li> <li>• Assessment of Aurangzeb and the Jagirdari Crisis <input type="checkbox"/></li> </ul> <p><b>□ Society-Structure and Growth</b></p> <ul style="list-style-type: none"> <li>• Rural Society <input type="checkbox"/></li> <li>• Towns and Town Life <input type="checkbox"/></li> <li>• Artisans and Master-Craftsmen <input type="checkbox"/></li> <li>• Women <input type="checkbox"/></li> <li>• Servants and Slaves <input type="checkbox"/></li> <li>• Standard of Living <input type="checkbox"/></li> <li>• The Ruling Classes - Nobility, Rural Gentry <input type="checkbox"/></li> <li>• The Middle Strata <input type="checkbox"/></li> <li>• The Commercial Classes <input type="checkbox"/></li> </ul> <p><b>□ Economic Life-Patterns and Prospects</b></p> <ul style="list-style-type: none"> <li>• Inland Trade <input type="checkbox"/></li> <li>• Overseas Trade - Role of Foreign Trading <input type="checkbox"/></li> <li>• Companies - Position of Indian Merchants over-Land Trade <input type="checkbox"/></li> <li>• The Mughal State and Commerce <input type="checkbox"/></li> <li>• Trend of India's Economy and Prospects during the First Half of the Eighteenth Century <input type="checkbox"/></li> </ul> <p><b>□ Religion, Fine Arts, Science and Technology</b></p>	<ul style="list-style-type: none"> <li>• Religion- Hindu Religion, Sikh Religion, Islam <input type="checkbox"/></li> <li>• Fine Arts - Architecture, Painting, Language and Literature, Music <input type="checkbox"/></li> <li>• Science and Technology <input type="checkbox"/></li> </ul> <p><b>□ Northern India in the First Half of the Eighteenth Century</b></p> <ul style="list-style-type: none"> <li>• Bahadur Shah I, and the Beginning of the Struggle <input type="checkbox"/></li> <li>• For Wizarat - Rajput Affairs -Marathas and the Deccan - Accentuation of the Party Struggle <input type="checkbox"/></li> <li>• Struggle for 'New' Wizarat: Zulfiqar Khan and Jahandar Shah (1712-13) <input type="checkbox"/></li> <li>• The Sayyid Brothers' Struggle for 'New' Wizarat <input type="checkbox"/></li> <li>• The Sayyid 'New' Wizarat <input type="checkbox"/></li> <li>• The Wizarat of M. Amin Khan and Nizam-ul-Mulk <input type="checkbox"/></li> <li>• Rise of Regional States, Beginning of Foreign Invasions of India (1725-48) <input type="checkbox"/></li> </ul> <p><b>□ The Maratha Bid for Supremacy</b></p> <ul style="list-style-type: none"> <li>• The Marathas and their Policy of Expansion <input type="checkbox"/></li> <li>• The Marathas and Nizam-ul-Mulk <input type="checkbox"/></li> <li>• The Maratha Advance into Gujarat and Malwa <input type="checkbox"/></li> <li>• The Maratha Advance into Doab and Punjab <input type="checkbox"/></li> <li>• First Phase (1741-52); Second Phase (1752-61); <input type="checkbox"/></li> <li>• Third Battle of Panipat <input type="checkbox"/></li> </ul>
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**MODERN HISTORY**

<p><b>□ Scenario before 1857</b></p> <ul style="list-style-type: none"> <li>• Later Mughals &amp; their Decline <input type="checkbox"/></li> <li>• Regional powers in 18th Century <input type="checkbox"/></li> <li>• Advent of Europeans in India <input type="checkbox"/></li> <li>• The British conquest of India <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Carnatic Wars <input type="checkbox"/></li> <li>• Battle of Plassey &amp; Buxar <input type="checkbox"/></li> <li>• Anglo-Mysore War <input type="checkbox"/></li> <li>• Anglo Punjab War <input type="checkbox"/></li> <li>• British Administration before 1857 <input type="checkbox"/></li> </ul>
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<ul style="list-style-type: none"> <li>• British Economic Policy <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• August Offer <input type="checkbox"/></li> </ul>
<p>□ <b>Revolt of 1857</b></p> <ul style="list-style-type: none"> <li>• Causes for revolt of 1857 <input type="checkbox"/></li> <li>• Leaders of revolt of 1857 <input type="checkbox"/></li> <li>• Suppression of revolt of 1857 <input type="checkbox"/></li> <li>• Nature of revolt of 1857 <input type="checkbox"/></li> <li>• Consequences of Revolt of 1857 <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Individual Satyagraha 1940-41 <input type="checkbox"/></li> </ul> <p>□ <b>Towards Achievement of Freedom</b></p> <ul style="list-style-type: none"> <li>• Popular struggles in the princely states <input type="checkbox"/></li> <li>• 2<sup>nd</sup> World War and Nationalist response <input type="checkbox"/></li> </ul>
<p>□ <b>Early Nationalism</b></p> <ul style="list-style-type: none"> <li>• Pre-Congress Organizations <input type="checkbox"/></li> <li>• Indian National Movement (1858-1905) <input type="checkbox"/></li> <li>• Early Nationalists and Swadeshi Movement <input type="checkbox"/></li> <li>• Government of India Act 1909 <input type="checkbox"/></li> <li>• Home rule league movement <input type="checkbox"/></li> </ul>	<p>□ <b>Partition of India</b></p> <ul style="list-style-type: none"> <li>• Rise of Communalism <input type="checkbox"/></li> <li>• Wavell Plan <input type="checkbox"/></li> <li>• Cabinet Mission Plan <input type="checkbox"/></li> <li>• Mountbatten Plan <input type="checkbox"/></li> </ul>
<p>□ <b>The struggle for Swaraj</b></p> <ul style="list-style-type: none"> <li>• Montague's statement – Aug 1917 <input type="checkbox"/></li> <li>• Emergence of Gandhi – as a mass leader <input type="checkbox"/></li> <li>• Khilafat &amp; Non-Cooperation Movement (NCM) <input type="checkbox"/></li> <li>• Swaraj Party <input type="checkbox"/></li> <li>• Revolutionary Terrorism Phase II (1920's) <input type="checkbox"/></li> <li>• Simon Commission and Nehru Report <input type="checkbox"/></li> </ul>	<p>□ <b>Trends during freedom struggle</b></p> <ul style="list-style-type: none"> <li>• Indian Renaissance/Socio-Religious Movement <input type="checkbox"/></li> <li>• Civil Rebellions during British <input type="checkbox"/></li> <li>• Tribal Movements during British Period <input type="checkbox"/></li> <li>• Peasant's Movement during British Period <input type="checkbox"/></li> <li>• Working Class Movement (1850-1900) <input type="checkbox"/></li> <li>• Growth of communalism <input type="checkbox"/></li> <li>• Left and Communist trends in National Movement <input type="checkbox"/></li> <li>• Press and Education during British Period <input type="checkbox"/></li> <li>• Role of Women in Freedom Struggle <input type="checkbox"/></li> <li>• Governor Generals of India <input type="checkbox"/></li> <li>• Viceroys of India <input type="checkbox"/></li> <li>• Important Persons <input type="checkbox"/></li> <li>• Important Newspaper/Journals <input type="checkbox"/></li> <li>• Congress Sessions <input type="checkbox"/></li> </ul>
<p>□ <b>March towards Freedom</b></p> <ul style="list-style-type: none"> <li>• Civil Disobedience Movement <input type="checkbox"/></li> <li>• Round Table Conference <input type="checkbox"/></li> <li>• Poona Pact <input type="checkbox"/></li> <li>• Government of India Act 1935 <input type="checkbox"/></li> <li>• Formation of Congress Ministries <input type="checkbox"/></li> <li>• Tripuri Session – 1939 <input type="checkbox"/></li> </ul>	

## POST INDEPENDENCE CONSOLIDATION

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

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

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

<p><input type="checkbox"/> <b>Sculptural Art in India</b></p> <ul style="list-style-type: none"> <li>• Sculptures of Harappan Civilisation <input type="checkbox"/></li> <li>• Sculptures of Mauryan Age <input type="checkbox"/></li> <li>• Post-Mauryan Period Sculptures <input type="checkbox"/></li> <li>• Jain Sculptures <input type="checkbox"/></li> <li>• Buddhist Sculpture <input type="checkbox"/></li> <li>• Gupta Sculpture <input type="checkbox"/></li> <li>• Medieval School of Sculpture <input type="checkbox"/></li> <li>• Modern Indian Sculpture <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Architecture in Ancient India</b></p> <ul style="list-style-type: none"> <li>• Harappan Period Architecture <input type="checkbox"/></li> <li>• Mauryan Architecture <input type="checkbox"/></li> <li>• Post-Mauryan Period &amp; Gupta Period Architecture <input type="checkbox"/></li> <li>• Temples of Khajuraho <input type="checkbox"/></li> <li>• Temples of Odisha <input type="checkbox"/></li> <li>• Temples of Gwalior <input type="checkbox"/></li> <li>• Temples of Gujarat <input type="checkbox"/></li> <li>• Temples of Rajasthan <input type="checkbox"/></li> <li>• Temples of Bengal <input type="checkbox"/></li> <li>• Temples of Assam <input type="checkbox"/></li> <li>• Temples of Himachal Pradesh <input type="checkbox"/></li> <li>• Temples of Jammu and Kashmir <input type="checkbox"/></li> <li>• Pallava Period Architecture <input type="checkbox"/></li> <li>• Chola Period Architecture <input type="checkbox"/></li> <li>• Pandya Temples <input type="checkbox"/></li> <li>• Vijaynagar Period Architecture <input type="checkbox"/></li> <li>• Nayaka Temples <input type="checkbox"/></li> <li>• Temples of Kerala <input type="checkbox"/></li> <li>• Vesara Style Temple <input type="checkbox"/></li> <li>• Hoysala Style <input type="checkbox"/></li> <li>• Rashtrakuta Period Architecture <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Indo-Islamic Architecture</b></p>	<ul style="list-style-type: none"> <li>• Imperial Style Delhi Sultanate <input type="checkbox"/></li> <li>• Provincial Style <input type="checkbox"/></li> <li>• Mughal Style <input type="checkbox"/></li> <li>• Sikh Style of Architecture <input type="checkbox"/></li> <li>• Rajput Architecture <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Modern Architecture</b></p> <ul style="list-style-type: none"> <li>• European Influence <input type="checkbox"/></li> <li>• Indo-Saracenic Architecture <input type="checkbox"/></li> <li>• Post-Independence Period <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Indian Paintings</b></p> <ul style="list-style-type: none"> <li>• Tradition of Mural Paintings in India <input type="checkbox"/></li> <li>• Tradition of Miniature Paintings in India <input type="checkbox"/></li> <li>• Paintings in the Deccan <input type="checkbox"/></li> <li>• Rajput School of Painting <input type="checkbox"/></li> <li>• Pahari School of Painting <input type="checkbox"/></li> <li>• Miniature Painting in South India <input type="checkbox"/></li> <li>• Regional Paintings <input type="checkbox"/></li> <li>• Modern Paintings <input type="checkbox"/></li> <li>• Contemporary Paintings <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Pottery Tradition in India</b></p> <ul style="list-style-type: none"> <li>• Ochre Coloured Pottery (OCP) <input type="checkbox"/></li> <li>• Black and Red Ware (BRW) <input type="checkbox"/></li> <li>• Painted Grey Ware (PGW) <input type="checkbox"/></li> <li>• Northern Black Polished Ware (NBPW) <input type="checkbox"/></li> <li>• Glazed and Unglazed Pottery <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Music in India</b></p> <ul style="list-style-type: none"> <li>• Main Pillars of Indian Music <input type="checkbox"/></li> <li>• Forms of Indian Music <input type="checkbox"/></li> <li>• Musical Instruments <input type="checkbox"/></li> <li>• Institutions Related to Music <input type="checkbox"/></li> </ul>
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### □ 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-17<sup>th</sup> 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)
- Cherial 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
- Brahma Samaj
- Ramakrishna Mission
- Socio-Religious Reform Movements in 19<sup>th</sup> 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 Khatiya 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	<input type="checkbox"/>	◆ Endogenic Forces	<input type="checkbox"/>
◦ Types of Earthquakes	<input type="checkbox"/>	◆ Gradation, Degradation & Agradation	<input type="checkbox"/>
◦ Causes of Earthquake	<input type="checkbox"/>	◦ Geomorphic Process	<input type="checkbox"/>
◦ Effects	<input type="checkbox"/>	◆ Endogenic Process	<input type="checkbox"/>
◦ Frequency	<input type="checkbox"/>	◆ Diastrophism	<input type="checkbox"/>
◦ Locating an Epicentre	<input type="checkbox"/>	◆ Orogenic	<input type="checkbox"/>
◦ Distribution of Earthquake	<input type="checkbox"/>	◆ Epierogenic	<input type="checkbox"/>
◦ Earthquake Observatories	<input type="checkbox"/>	◆ Earthquakes	<input type="checkbox"/>
■ <b>Volcano</b>		◆ Plate movements	<input type="checkbox"/>
◦ Types	<input type="checkbox"/>	◆ Volcanism	<input type="checkbox"/>
◆ Shield	<input type="checkbox"/>	◦ Exogenic Forces	<input type="checkbox"/>
◆ Composite	<input type="checkbox"/>	◦ Denudation Processes	<input type="checkbox"/>
◆ Caldera	<input type="checkbox"/>	◦ Weathering	<input type="checkbox"/>
◆ Flood Basalt	<input type="checkbox"/>	◦ Mass movements	<input type="checkbox"/>
◆ Mid Ocean Ridge	<input type="checkbox"/>	◦ Erosion: Transportation & Deposition	<input type="checkbox"/>
◦ Types of lava	<input type="checkbox"/>	■ <b>Distribution of Continents &amp; Oceans</b>	
◆ Andesitic or Acidic lava	<input type="checkbox"/>	● Theories	
◆ Basic or Basaltic lava	<input type="checkbox"/>	◦ Continental Drift Theory	<input type="checkbox"/>
◦ Intrusive volcanic Landforms	<input type="checkbox"/>	◆ Alfred Wegner 1912	<input type="checkbox"/>
◆ Batholiths	<input type="checkbox"/>	◆ Pangea, Panthalasa	<input type="checkbox"/>
◆ Lacoliths	<input type="checkbox"/>	◆ Laurasia, Gondwana land	<input type="checkbox"/>
◆ Lapoliths	<input type="checkbox"/>	● Evidence in support of Continental Drift Theory	
◆ Phacololiths	<input type="checkbox"/>	◦ Jigsaw Fit	<input type="checkbox"/>
◆ Sills	<input type="checkbox"/>	◦ Rocks of same age across oceans	<input type="checkbox"/>
◆ Dykes	<input type="checkbox"/>	◆ Tillite	<input type="checkbox"/>
◦ Extrusive Volcanic Landforms	<input type="checkbox"/>	◆ Placer Deposits	<input type="checkbox"/>
◦ Geysers and Hot springs	<input type="checkbox"/>	◆ Distribution of Fossils	<input type="checkbox"/>
◦ Extinct, Dormant and Active volcanoes	<input type="checkbox"/>	◦ Forces of Drifting	<input type="checkbox"/>
◦ Distribution of Volcanoes	<input type="checkbox"/>	◆ Pole Fleeing Force	<input type="checkbox"/>
◆ Pacific Ring of Fire	<input type="checkbox"/>	◆ Tidal Force	<input type="checkbox"/>
◆ Mediterranean volcanism	<input type="checkbox"/>	◦ Post Drift Studies	<input type="checkbox"/>
◆ Other regions	<input type="checkbox"/>	◆ Convectional Current Theory	<input type="checkbox"/>
◦ Effects of Volcanoes	<input type="checkbox"/>	◆ Mapping of the Ocean Floor	<input type="checkbox"/>
● <b>Tsunami</b>		● Continents – plate Tectonics	
◦ Mechanism of Tsunami waves	<input type="checkbox"/>	◦ Lithospheric Plates	<input type="checkbox"/>
◦ Properties of Tsunami waves	<input type="checkbox"/>	◆ Major Plate	<input type="checkbox"/>
◦ Effects of Tsunami	<input type="checkbox"/>	◆ Minor Plates	<input type="checkbox"/>
■ <b>Geomorphic Processes</b>		◦ Plate Boundaries	<input type="checkbox"/>
◦ Earth's Surface	<input type="checkbox"/>	◆ Divergent	<input type="checkbox"/>
◆ Exogenic Forces	<input type="checkbox"/>		

◆ Convergent	<input type="checkbox"/>	◆ Gullies	<input type="checkbox"/>
◆ Transform	<input type="checkbox"/>	◆ Valleys – V Shape, Gorge (Hard Rocks), Canyon (Sedimentary)	<input type="checkbox"/>
○ Rates of Plate Movements	<input type="checkbox"/>	◆ Potholes & Plunge pools	<input type="checkbox"/>
○ Force of plate movements	<input type="checkbox"/>	◆ Incised or entrenched meanders	<input type="checkbox"/>
○ Indian Plate	<input type="checkbox"/>	◆ River Terraces – paired & unpaired	<input type="checkbox"/>
◆ Movement from 71 million years ago till today	<input type="checkbox"/>	○ Depositional Landforms	<input type="checkbox"/>
■ <b>Landforms and their Evolution</b>		◆ Alluvial Fans	<input type="checkbox"/>
○ Causes	<input type="checkbox"/>	◆ Delta	<input type="checkbox"/>
○ Geomorphic Processes	<input type="checkbox"/>	◆ Floodplains, Natural Levees, Point Bars	<input type="checkbox"/>
○ Agents	<input type="checkbox"/>	◆ Meanders, Slip off bank, Under cut bank	<input type="checkbox"/>
● Geomorphic Agents		◆ Oxbow lake	<input type="checkbox"/>
○ Erosional	<input type="checkbox"/>	◆ Braided Channels	<input type="checkbox"/>
○ Depositional	<input type="checkbox"/>	● Ground Water (Karst Topography)	
● Agents and their Impacts		○ Permeable Rocks	<input type="checkbox"/>
○ Wind, Running Water, Ground Water, Glaciers, Waves & Currents	<input type="checkbox"/>	◆ Percolation	<input type="checkbox"/>
● Winds		◆ Bedding Plains	<input type="checkbox"/>
○ One of the Two dominant agents in Hot deserts	<input type="checkbox"/>	○ Limestone and Dolomite Regions	<input type="checkbox"/>
○ Cause – Deflation Abrasion Impact	<input type="checkbox"/>	◆ Balkans, Adjacent to Adriatic regions	<input type="checkbox"/>
○ Erosional landforms	<input type="checkbox"/>	○ Erosional Landforms	<input type="checkbox"/>
◆ Pediments and Pediplains	<input type="checkbox"/>	◆ Polje, Swallow Hole, Valley Sinks (Uvalas), Sinkholes, Collapse sinks (Dolines), Lapias, Ridges, Limestone Pavements	<input type="checkbox"/>
◆ Playas	<input type="checkbox"/>	◆ Caves – Altering bed of Rocks (Shale sandstone quartzite), Caves and Tunnels	<input type="checkbox"/>
◆ Deflation Hollows and Caves	<input type="checkbox"/>	○ Depositional landforms	<input type="checkbox"/>
◆ Mushroom , Table & Pedestal Rocks	<input type="checkbox"/>	◆ Stalactites	<input type="checkbox"/>
○ Depositional Landforms	<input type="checkbox"/>	◆ Stalagmites	<input type="checkbox"/>
◆ Barchans	<input type="checkbox"/>	◆ Pillar Columns	<input type="checkbox"/>
◆ Seif	<input type="checkbox"/>	● Glaciers	<input type="checkbox"/>
◆ Parabolic	<input type="checkbox"/>	○ Erosional Landforms	<input type="checkbox"/>
◆ Transverse	<input type="checkbox"/>	◆ Cirque of Tarn Lakes	<input type="checkbox"/>
◆ Longitudinal	<input type="checkbox"/>	◆ Hors and Serrated Regions – Arete	<input type="checkbox"/>
● Running Water		◆ Glacial Valleys/ Troughs – Fiords	<input type="checkbox"/>
○ Humid Regions	<input type="checkbox"/>	○ Depositional Landforms	<input type="checkbox"/>
○ 2 Components	<input type="checkbox"/>	◆ Glacial Tillis	<input type="checkbox"/>
◆ Overland Flow – Sheet	<input type="checkbox"/>	◆ Moraines	<input type="checkbox"/>
◆ Linear Flow – Strems	<input type="checkbox"/>	◆ Eskers	<input type="checkbox"/>
○ Stages	<input type="checkbox"/>	◆ Outwash Planes	<input type="checkbox"/>
◆ Youth, Mature, Old	<input type="checkbox"/>	◆ Drumlins	<input type="checkbox"/>
○ Erosional Landforms	<input type="checkbox"/>		
◆ Valleys	<input type="checkbox"/>		
◆ Rills	<input type="checkbox"/>		

• 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"/>	■ <b>Landforms across the world:</b>	
◦ Depositional Landforms	<input type="checkbox"/>	◦ Rivers and lakes	<input type="checkbox"/>
◆ Beaches and Dunes	<input type="checkbox"/>	■ <b>Mountain &amp; Peaks</b>	
◆ 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"/>	■ <b>Plateaus</b>	
◆ 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"/>	□ <b>Climatology</b>	
◆ Biological	<input type="checkbox"/>	■ <b>Composition of Atmosphere</b>	
◦ Chemical – Forces Chemical Action	<input type="checkbox"/>	◦ Gases	<input type="checkbox"/>
◆ Solution	<input type="checkbox"/>	◦ Water Vapour	<input type="checkbox"/>
◆ Carbonation	<input type="checkbox"/>	◦ Dust Particles	<input type="checkbox"/>
◆ Hydration	<input type="checkbox"/>	■ <b>Structure</b>	
◆ Oxidation & Reduction	<input type="checkbox"/>	◦ Exosphere	<input type="checkbox"/>
◦ Physical Forces Gravitational, Expansion, Water Pressure	<input type="checkbox"/>	◦ Thermosphere	<input type="checkbox"/>
◆ Unloading & Expansion	<input type="checkbox"/>	◦ Mesosphere	<input type="checkbox"/>
◆ Temperature changes and Expansion	<input type="checkbox"/>	◦ Stratosphere	<input type="checkbox"/>
◆ Freezing, Thawing, & Frost Wedging	<input type="checkbox"/>	◦ Troposphere	<input type="checkbox"/>
◆ Salt Weathering	<input type="checkbox"/>	◦ Altitude vs Temperature	<input type="checkbox"/>
◦ Biological Weathering	<input type="checkbox"/>	■ <b>Solar Radiation Heat Balance Temperature</b>	
◆ Burrowing	<input type="checkbox"/>	◦ Insolation	<input type="checkbox"/>
◆ Wedging	<input type="checkbox"/>	◦ Aphelion and Perihelion	<input type="checkbox"/>
◆ Plant Roots	<input type="checkbox"/>	◦ Variability of Insolation at the surface of the Earth	<input type="checkbox"/>
◆ Effects of Weathering	<input type="checkbox"/>	◆ Day Season Year	<input type="checkbox"/>
◆ Exfoliation (Flaking) – Exfoliation Domes, Tors	<input type="checkbox"/>	◆ Rotation on Axis, Angle of Inclination of sun rays, Length of the day	<input type="checkbox"/>
◦ Significance of Weathering	<input type="checkbox"/>		
◆ Soil Formation	<input type="checkbox"/>		

◆ Transparency of Atmosphere, configuration of land in terms of its aspect	<input type="checkbox"/>	○ Distribution of continents & Oceans	<input type="checkbox"/>
■ <b>Heat Balance</b>		○ Rotation of the Earth	<input type="checkbox"/>
○ Heating and cooling of atmosphere	<input type="checkbox"/>	■ <b>Circulation</b>	
◆ Conduction	<input type="checkbox"/>	○ Simplified Global Circulation – Hadley Cell, Ferrel Cell, Polar cell	<input type="checkbox"/>
◆ Convection	<input type="checkbox"/>	○ Seasonal Wind	<input type="checkbox"/>
◆ Advection	<input type="checkbox"/>	○ Local Wind	<input type="checkbox"/>
○ Terrestrial Radiation	<input type="checkbox"/>	○ Land and Sea Breezes	<input type="checkbox"/>
○ Heat Budget of the Planet Earth	<input type="checkbox"/>	○ Mountain and Valley winds	<input type="checkbox"/>
○ Macro Budget	<input type="checkbox"/>	■ <b>AIR MASS</b>	
◆ Albedo	<input type="checkbox"/>	○ Fronts	<input type="checkbox"/>
◆ Shortwave Radiation	<input type="checkbox"/>	○ Extra Tropical Cyclone	<input type="checkbox"/>
◆ Long wave Earth Radiation	<input type="checkbox"/>	○ Thunderstorms	<input type="checkbox"/>
○ Variation in the net Heat Budget at the Earth's Surface	<input type="checkbox"/>	○ Tornadoes	<input type="checkbox"/>
■ <b>Temperature(T)</b>		■ <b>Water in the Atmosphere</b>	
○ Factors controlling T distribution	<input type="checkbox"/>	○ Water Vapour	<input type="checkbox"/>
○ Distribution of T Month of January–July	<input type="checkbox"/>	○ Precipitation	<input type="checkbox"/>
○ Range of T Month of January–July	<input type="checkbox"/>	○ Humidity – Absolute and Relative	<input type="checkbox"/>
○ Inversion of Temperature	<input type="checkbox"/>	○ Saturation – Dew Point	<input type="checkbox"/>
■ <b>Atmospheric Circulation and Weather Systems</b>		○ Evaporation and Condensation	<input type="checkbox"/>
○ Atmospheric Pressure	<input type="checkbox"/>	◆ Dew	<input type="checkbox"/>
○ Vertical variation of pressure	<input type="checkbox"/>	◆ Frost	<input type="checkbox"/>
○ Horizontal distribution of pressure	<input type="checkbox"/>	◆ Fog & Mist	<input type="checkbox"/>
○ World Distribution of Sea Level Pressure	<input type="checkbox"/>	○ Clouds	<input type="checkbox"/>
○ Factors affecting the velocity and direction of the WIND	<input type="checkbox"/>	◆ Types – Cirrus Cumulus Stratus Nimbus	<input type="checkbox"/>
◆ Pressure Gradient Force	<input type="checkbox"/>	◆ High – Cirrus Cirrostratus Cirrocumulus	<input type="checkbox"/>
◆ Frictional Force	<input type="checkbox"/>	◆ Middle – Altostratus Altocumulus	<input type="checkbox"/>
◆ Coriolis Force	<input type="checkbox"/>	◆ Low – Stratocumulus Nimbostratus	<input type="checkbox"/>
◆ Pressure and Wind (Cyclonic & Anticyclone Circulation)	<input type="checkbox"/>	◆ Vertical Development – Cumulus and Cumulonimbus	<input type="checkbox"/>
■ <b>General Circulation of the Atmosphere – Pattern of Planetary Winds</b>		○ Precipitation	<input type="checkbox"/>
○ Latitudinal Variation of Atmospheric Heating	<input type="checkbox"/>	◆ Rainfall Snowfall Sleet Hail Hailstones	<input type="checkbox"/>
○ Emergence of Pressure Belts	<input type="checkbox"/>	○ Types of Rainfall	<input type="checkbox"/>
○ Migration of Belts Following apparent Path of Sun	<input type="checkbox"/>	◆ Conventional	<input type="checkbox"/>
		◆ Orographic	<input type="checkbox"/>
		◆ Cyclonic	<input type="checkbox"/>
		◆ Frontal	<input type="checkbox"/>
		◆ Monsoonal	<input type="checkbox"/>

- 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

<ul style="list-style-type: none"> <li>○ Factors influencing Movement <input type="checkbox"/></li> <li>○ Motion – Horizontal &amp; Vertical Currents <input type="checkbox"/></li> <li>○ Waves <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Motion of waves and water molecules <input type="checkbox"/></li> <li>◆ Characteristics of Wave <input type="checkbox"/></li> </ul> </li> <li>○ Relation between Gravitational Forces and Tides <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Tidal currents <input type="checkbox"/></li> <li>◆ Types of Tides <input type="checkbox"/></li> <li>◆ Based on Frequency <input type="checkbox"/></li> <li>◆ Based on SME position <input type="checkbox"/></li> </ul> </li> <li>○ Importance of Tides <input type="checkbox"/></li> <li>■ <b>Ocean Currents</b> <ul style="list-style-type: none"> <li>○ Influenced by 2 forces <input type="checkbox"/></li> <li>○ Primary Force that initiates the movement <input type="checkbox"/></li> <li>○ Secondary force that influence the currents to flow <input type="checkbox"/></li> <li>○ Characteristic <input type="checkbox"/></li> <li>○ Types of ocean curenets <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Surface currents &amp; Deep watercurrents based on Depth <input type="checkbox"/></li> <li>◆ Cold and Warm Currents based on Temperature <input type="checkbox"/></li> </ul> </li> <li>○ Major Ocean currents of the World <input type="checkbox"/></li> <li>○ Effects of Ocean Currents <input type="checkbox"/></li> <li>○ Desert formation and Ocean currents <input type="checkbox"/></li> <li>○ Atlantic Meridional Overturning Circulation <input type="checkbox"/></li> </ul> </li> <li>■ <b>Resources from the Ocean</b> <ul style="list-style-type: none"> <li>○ Ocean deposits <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Terrigenous Deposits <input type="checkbox"/></li> <li>◆ Pelagic deposits <input type="checkbox"/></li> </ul> </li> <li>○ Mineral resources on deep sea floor <input type="checkbox"/></li> <li>○ Energy resources <input type="checkbox"/></li> <li>○ Biotic resources <input type="checkbox"/></li> <li>○ Deep ocean mission <input type="checkbox"/></li> <li>○ UNCLOS <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Territorial Waters <input type="checkbox"/></li> <li>◆ Contiguous Zone <input type="checkbox"/></li> <li>◆ Exclusive Economic Zone <input type="checkbox"/></li> <li>◆ High Seas <input type="checkbox"/></li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>□ <b>Biogeography</b> <ul style="list-style-type: none"> <li>■ <b>Soil</b> <ul style="list-style-type: none"> <li>○ Soil Characteristics <input type="checkbox"/></li> <li>○ Factors Responsible for Soil Formation <input type="checkbox"/></li> <li>○ Stages of Soil Formation <input type="checkbox"/></li> <li>○ Soil Forming Processes <input type="checkbox"/></li> <li>○ Soil Profiles and Horizons <input type="checkbox"/></li> <li>○ Soil Classification <input type="checkbox"/></li> <li>○ Soil Erosion and Conservation <input type="checkbox"/></li> </ul> </li> <li>■ <b>Vegetation Resources</b> <ul style="list-style-type: none"> <li>○ Types of Natural Vegetation <input type="checkbox"/></li> <li>○ Forests <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Significance of forests                             <ul style="list-style-type: none"> <li>◆ Economic significance <input type="checkbox"/></li> <li>◆ Ecological significance <input type="checkbox"/></li> <li>◆ Cultural significance <input type="checkbox"/></li> </ul> </li> <li>○ Factors of forest development <input type="checkbox"/></li> <li>○ Extent of forest cover <input type="checkbox"/></li> <li>○ Classification of forests                             <ul style="list-style-type: none"> <li>◆ Grasslands <input type="checkbox"/></li> <li>◆ Desert vegetation <input type="checkbox"/></li> <li>◆ Tundra Vegetation <input type="checkbox"/></li> </ul> </li> <li>○ Economic utilization of forests <input type="checkbox"/></li> <li>○ Deforestation <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Deforestation in tropical forests <input type="checkbox"/></li> <li>◆ Deforestation in temperate forests <input type="checkbox"/></li> <li>◆ Rate and extent of deforestation <input type="checkbox"/></li> <li>◆ Causes and factors of deforestation: Immediate causes of deforestation <input type="checkbox"/></li> <li>◆ Indirect deforestation <input type="checkbox"/></li> <li>◆ Underlying causes of deforestation <input type="checkbox"/></li> </ul> </li> <li>○ Conservation of forests <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Forest conservation strategies <input type="checkbox"/></li> <li>◆ Reforestation <input type="checkbox"/></li> <li>◆ Monoculture plantation <input type="checkbox"/></li> <li>◆ Afforestation <input type="checkbox"/></li> </ul> </li> <li>○ Types of forestry <input type="checkbox"/> <ul style="list-style-type: none"> <li>◆ Social forestry <input type="checkbox"/></li> <li>◆ Agro-forestry <input type="checkbox"/></li> <li>◆ Miyawaki Method <input type="checkbox"/></li> </ul> </li> </ul> </li> </ul> </li> </ul> </li></ul>
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## 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

<ul style="list-style-type: none"> <li>• Literacy <input type="checkbox"/></li> <li>• Theories of population growth <input type="checkbox"/></li> <li>• Malthusian theory <input type="checkbox"/></li> <li>• Marxian theory <input type="checkbox"/></li> <li>• Demographic transition theory <input type="checkbox"/></li> <li>• Population problems <input type="checkbox"/></li> <li>• Population problems of developing countries <input type="checkbox"/></li> <li>• Population problems of developed countries <input type="checkbox"/></li> <li>• Population dilemma of Europe <input type="checkbox"/></li> <li>• Population Policies of China and India <input type="checkbox"/></li> <li>• Various types of rural settlements <input type="checkbox"/></li> <li>• Relationship between house types with relief, climate and building materials <input type="checkbox"/></li> <li>• Rising Youth Population <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Migration: Push factors and pull factors <input type="checkbox"/></li> <li>• Emigration during colonial, post-independent and post-liberalisation period <input type="checkbox"/></li> <li>• Internal versus world migration <input type="checkbox"/></li> <li>• Functional classification of cities <input type="checkbox"/></li> <li>• Difference between boundaries and frontiers, their classification <input type="checkbox"/></li> <li>• Rural urban fringe characteristics, advantages, problems <input type="checkbox"/></li> <li>• National urbanisation policy <input type="checkbox"/></li> <li>• Principles of urban planning <input type="checkbox"/></li> <li>• Land cover transformation <input type="checkbox"/></li> <li>• Factors affecting rural settlements, their types and patterns <input type="checkbox"/></li> <li>• Cities – hierarchical classification, morphological classification <input type="checkbox"/></li> </ul>
<p><b>□ Urbanization</b></p> <ul style="list-style-type: none"> <li>• Basic Feature and Pattern of India's Urbanization <input type="checkbox"/></li> <li>• Issues of Urbanization in India <input type="checkbox"/></li> <li>• Rural Urban Migration <input type="checkbox"/></li> <li>• Emergence of Slums <input type="checkbox"/></li> <li>• Urban Transport <input type="checkbox"/></li> <li>• Waste Disposal <input type="checkbox"/></li> <li>• Water Supply, Drainage and Sanitation <input type="checkbox"/></li> <li>• Urban Poverty <input type="checkbox"/></li> <li>• Real Estate (Regulation &amp; Development) Act, 2016 <input type="checkbox"/></li> <li>• Way Forward to Tackle Issues Related to Urbanization <input type="checkbox"/></li> <li>• Inclusive Cities/Smart cities <input type="checkbox"/></li> <li>• Recent government programmes: <input type="checkbox"/></li> <li>• Migration &amp; Reverse Migration <input type="checkbox"/></li> <li>• Displacement <input type="checkbox"/></li> <li>• Importance of the Rehabilitation Policy <input type="checkbox"/></li> <li>• Urban settlements: types <input type="checkbox"/></li> <li>• Urbanisation process in India <input type="checkbox"/></li> <li>• Morphology of urban settlements <input type="checkbox"/></li> <li>• Town planning and patterns of rural settlement <input type="checkbox"/></li> <li>• Settlement types of the world <input type="checkbox"/></li> </ul>	<p><b>□ Census</b></p> <ul style="list-style-type: none"> <li>• Literacy <input type="checkbox"/></li> <li>• Sex ratio <input type="checkbox"/></li> <li>• Family Planning <input type="checkbox"/></li> <li>• Ageing Population <input type="checkbox"/></li> <li>• Age Structure <input type="checkbox"/></li> <li>• Density <input type="checkbox"/></li> <li>• Population growth <input type="checkbox"/></li> <li>• Census terminology <input type="checkbox"/></li> <li>• Caste Census Issues <input type="checkbox"/></li> </ul>

## 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

<ul style="list-style-type: none"> <li>○ International trade <input type="checkbox"/></li> <li>    ◆ Jute <input type="checkbox"/></li> <li>○ Conditions of growth <input type="checkbox"/></li> <li>○ Production pattern <input type="checkbox"/></li> <li>○ International trade <input type="checkbox"/></li> <li>○ Substitutes of Jute: Flax, Hemp <input type="checkbox"/></li> <li>○ Abaca, Henequeno <input type="checkbox"/></li> <li>○ Sisal <input type="checkbox"/></li> <li>    ◆ Raw Silk <input type="checkbox"/></li> <li>○ Production pattern <input type="checkbox"/></li> <li>○ International trade <input type="checkbox"/></li> <li>    ◆ Natural Rubber <input type="checkbox"/></li> <li>    ◆ Other sources of rubber <input type="checkbox"/></li> <li>    ◆ Plantations in South-east Asia <input type="checkbox"/></li> <li>    ◆ Production pattern <input type="checkbox"/></li> <li>    ◆ International trade <input type="checkbox"/></li> <li>    ◆ Sugarcane <input type="checkbox"/></li> <li>    ◆ Conditions of growth <input type="checkbox"/></li> <li>    ◆ Production pattern <input type="checkbox"/></li> <li>    ◆ International trade <input type="checkbox"/></li> <li>    ◆ Sugarbeet <input type="checkbox"/></li> <li>    ◆ Conditions of growth <input type="checkbox"/></li> <li>    ◆ Production pattern <input type="checkbox"/></li> <li>    ◆ Sugar industry <input type="checkbox"/></li> <li>    ◆ Sugar consumption <input type="checkbox"/></li> <li>    ◆ International trade <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>● Types of minerals <input type="checkbox"/></li> <li>● Metallic minerals <input type="checkbox"/></li> <li>● Non-metallic mineral <input type="checkbox"/></li> <li>● Distribution of minerals and mining regions <input type="checkbox"/></li> <li>● Distribution, production and international trade of Metallic minerals: Ferrous metals: Iron ore <input type="checkbox"/></li> <li>● Ferro-alloys and non-ferrous <input type="checkbox"/></li> <li>● Manganese <input type="checkbox"/></li> <li>● Chromium <input type="checkbox"/></li> <li>● Nickel <input type="checkbox"/></li> <li>● Tungsten <input type="checkbox"/></li> <li>● Antimony <input type="checkbox"/></li> <li>● Copper <input type="checkbox"/></li> <li>● Bauxite and Aluminium <input type="checkbox"/></li> <li>● Zinc; Lead <input type="checkbox"/></li> <li>● Tin <input type="checkbox"/></li> <li>● Precious metals: Gold <input type="checkbox"/></li> <li>● Silver <input type="checkbox"/></li> <li>● Platinum <input type="checkbox"/></li> <li>● Mineral chemicals <input type="checkbox"/></li> <li>● Mica <input type="checkbox"/></li> <li>● Potash <input type="checkbox"/></li> <li>● Phosphate <input type="checkbox"/></li> <li>● Nitrates <input type="checkbox"/></li> <li>● Sulphur <input type="checkbox"/></li> <li>● Conservation of mineral resources <input type="checkbox"/></li> </ul>
<p>■ <b>Water Resource</b></p> <ul style="list-style-type: none"> <li>○ Underground water resource <input type="checkbox"/></li> <li>○ Surface water resources <input type="checkbox"/></li> <li>○ Inland water resources: Utilization of inland water resources <input type="checkbox"/></li> <li>○ Oceanic water resources: Main features of ocean <input type="checkbox"/></li> <li>○ Utilization of oceans by man <input type="checkbox"/></li> <li>○ Water consumption patterns <input type="checkbox"/></li> <li>○ Water pollution <input type="checkbox"/></li> <li>○ Conservation of water resources <input type="checkbox"/></li> <li>○ Techniques of water conservation <input type="checkbox"/></li> <li>○ River Interlinking Projects <input type="checkbox"/></li> <li>○ The problem of ageing dams <input type="checkbox"/></li> </ul>	<p>□ <b>Energy resources</b></p> <ul style="list-style-type: none"> <li>● Classification of energy <input type="checkbox"/></li> <li>● Production of conventional energy <input type="checkbox"/></li> <li>● General trends of energy production and consumption <input type="checkbox"/></li> <li>● Reserves and sources of energy <input type="checkbox"/></li> <li>● Coal <input type="checkbox"/></li> <li>● Nature and origin of coal <input type="checkbox"/></li> <li>● Constituents and kinds of coal <input type="checkbox"/></li> <li>● Coal fields and coal production <input type="checkbox"/></li> <li>● By products of coal <input type="checkbox"/></li> <li>● Conservation of Coal <input type="checkbox"/></li> <li>● Petroleum <input type="checkbox"/></li> <li>● Nature and properties of petroleum <input type="checkbox"/></li> </ul>
<p>□ <b>Mineral resource</b></p>	

• 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"/> <b>Industry</b>			
• 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 (MWPS) 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

<ul style="list-style-type: none"> <li>• DPSP related to International Peace <input type="checkbox"/></li> <li>• Implementation of DPSP <input type="checkbox"/></li> <li>• Fundamental Rights and the Directive Principles of State Policy Controversy <input type="checkbox"/></li> <li>• Directives outside Part IV of the Constitution <input type="checkbox"/></li> <li>• Application of Uniform Civil Code in India <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Fundamental Duties</b></p> <ul style="list-style-type: none"> <li>• Features <input type="checkbox"/></li> <li>• Link of Fundamental Rights and Fundamental Duties <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Other Principles</b></p> <ul style="list-style-type: none"> <li>• Process of law making in India <input type="checkbox"/></li> <li>• Role of Constitutional and extra constitutional bodies in law making <input type="checkbox"/></li> <li>• Basic structure: How it evolves? <input type="checkbox"/></li> <li>• Different types of majorities required in Indian Constitution <input type="checkbox"/></li> <li>• DPSP v. Fundamental Rights <input type="checkbox"/></li> <li>• Doctrines &amp; Terminologies <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Separation of Powers</b></p> <ul style="list-style-type: none"> <li>• Features in American and UK Constitution <input type="checkbox"/></li> <li>• Checks and balances provisions in Indian Constitution <input type="checkbox"/></li> <li>• Judicial Review <input type="checkbox"/></li> <li>• Concept of Separation of Powers <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Comparison of the Indian constitutional scheme with that of other countries</b></p> <ul style="list-style-type: none"> <li>• It should cover comparison of USA, UK, France, India and neighbours <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Union &amp; States</b></p> <ul style="list-style-type: none"> <li>• State Reorganization Commission (brief) <input type="checkbox"/></li> <li>• Components of Indian territory <input type="checkbox"/></li> <li>• Process of formation of new states <input type="checkbox"/></li> <li>• Zonal Councils <input type="checkbox"/></li> <li>• Union territories <input type="checkbox"/></li> <li>• Special provisions for states <input type="checkbox"/></li> <li>• Scheduled and Tribal Areas <input type="checkbox"/></li> </ul>	<p><input type="checkbox"/> <b>Functions and responsibilities of the Union and the States</b></p> <ul style="list-style-type: none"> <li>• Regulating functions of Government <input type="checkbox"/></li> <li>• Development functions of government <input type="checkbox"/></li> <li>• Service providing functions of government <input type="checkbox"/></li> <li>• Problems in implementation <input type="checkbox"/></li> <li>• Recommendations for improvement <input type="checkbox"/></li> <li>• Interrelationship between union, state and local government in implementation of roles <input type="checkbox"/></li> <li>• Constitutional provisions related to financial devolution <input type="checkbox"/></li> <li>• Issues of financial devolution <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Issues and challenges pertaining to the federal structure</b></p> <ul style="list-style-type: none"> <li>• Administrative relations <input type="checkbox"/></li> <li>• Legislative relations <input type="checkbox"/></li> <li>• Financial relations <input type="checkbox"/></li> <li>• Emergency Provisions and Misuse of Article 356 <input type="checkbox"/></li> <li>• Inter-State relations <input type="checkbox"/></li> <li>• Issues related to Union List, State List &amp; Concurrent List <input type="checkbox"/></li> <li>• Issues related to appointment of Governor <input type="checkbox"/></li> <li>• Issues related to state formation <input type="checkbox"/></li> <li>• Poor devolution of finances <input type="checkbox"/></li> <li>• Reserving bill for Presidential approval <input type="checkbox"/></li> <li>• Central sponsored schemes and issues <input type="checkbox"/></li> <li>• Special package for different states <input type="checkbox"/></li> <li>• Issues between Centre and State after 1990 reforms <input type="checkbox"/></li> <li>• Foreign policy and Centre and State Relations <input type="checkbox"/></li> <li>• Inter-State border disputes <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>The President</b></p> <ul style="list-style-type: none"> <li>• Importance of President <input type="checkbox"/></li> <li>• Qualification <input type="checkbox"/></li> <li>• Election procedure <input type="checkbox"/></li> <li>• Advantages and disadvantages of single transferable form of voting <input type="checkbox"/></li> <li>• Presidents' Term of Office and <input type="checkbox"/></li> </ul>
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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"/>	
<input type="checkbox"/> <b>Vice President</b>		
• Office of the Vice-President	<input type="checkbox"/>	
• Functions	<input type="checkbox"/>	
• Comparison between Indian VP and American VP	<input type="checkbox"/>	
<input type="checkbox"/> <b>Prime Minister</b>		
• 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"/>	
<input type="checkbox"/> <b>Council of Ministers</b>		
• 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"/>	
<input type="checkbox"/> <b>Attorney General of India</b>		
• Qualification	<input type="checkbox"/>	
• Functions	<input type="checkbox"/>	
• Powers with respect to Parliament	<input type="checkbox"/>	
<input type="checkbox"/> <b>Parliament</b>		
		• 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"/>
		<input type="checkbox"/> <b>The Judiciary</b>
		• 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"/>

<ul style="list-style-type: none"> <li>• Judicial Review <input type="checkbox"/></li> <li>• PIL <input type="checkbox"/></li> <li>• Judicial Activism <input type="checkbox"/></li> <li>• Judiciary appointment <input type="checkbox"/></li> <li>• Collegiums System <input type="checkbox"/></li> <li>• NJAC Controversy <input type="checkbox"/></li> <li>• National Court of Appeal <input type="checkbox"/></li> <li>• Judicial Accountability <input type="checkbox"/></li> <li>• Issues of corruption in judiciary <input type="checkbox"/></li> <li>• Role of Women in Judiciary <input type="checkbox"/></li> <li>• Need for Virtual Courts <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Fast Track Courts and issues <input type="checkbox"/></li> <li>• Gram Nyalayas and issues <input type="checkbox"/></li> <li>• Parivarik Mahila Lok Adalats and issues <input type="checkbox"/></li> <li>• Family Courts and issues <input type="checkbox"/></li> <li>• Lok Adalat and issues <input type="checkbox"/></li> <li>• NALSA and issues <input type="checkbox"/></li> <li>• Dispute redressal for Weaker section <input type="checkbox"/></li> <li>• Arbitration Mechanism <input type="checkbox"/></li> <li>• International Arbitrary Centre <input type="checkbox"/></li> <li>• Commercial Court <input type="checkbox"/></li> </ul>
<p>□ <b>Ministries and Departments of the Government</b></p> <ul style="list-style-type: none"> <li>• Functioning of Ministries <input type="checkbox"/></li> <li>• Central Secretariat <input type="checkbox"/></li> <li>• Cabinet Secretary <input type="checkbox"/></li> <li>• Field organizations <input type="checkbox"/></li> <li>• Reforms needed <input type="checkbox"/></li> <li>• International methodology <input type="checkbox"/></li> <li>• Prime Minister’s Office (PMO) <input type="checkbox"/></li> </ul>	<p>□ <b>Comptroller And Auditor-General Of India</b></p> <ul style="list-style-type: none"> <li>• Appointment <input type="checkbox"/></li> <li>• Functions <input type="checkbox"/></li> <li>• Role of CAG in good governance <input type="checkbox"/></li> </ul>
<p>□ <b>Local Government</b></p> <ul style="list-style-type: none"> <li>• Provisions of 73<sup>rd</sup> AA and 74<sup>th</sup> AA <input type="checkbox"/></li> <li>• Role and functions of different tiers <input type="checkbox"/></li> <li>• Municipal Corporations <input type="checkbox"/></li> <li>• Municipal Councils <input type="checkbox"/></li> <li>• Nagar Panchayats <input type="checkbox"/></li> <li>• The steps taken towards women’s empowerment <input type="checkbox"/></li> <li>• Role of State Election commission <input type="checkbox"/></li> <li>• Role of State Finance Commission <input type="checkbox"/></li> <li>• Smart City Mission &amp; Municipal Governance <input type="checkbox"/></li> <li>• Model Panchayat Citizens Charter Framework <input type="checkbox"/></li> </ul>	<p>□ <b>The Governor</b></p> <ul style="list-style-type: none"> <li>• Appointment, term of office, qualification, etc. <input type="checkbox"/></li> <li>• Powers <input type="checkbox"/></li> <li>• Discretionary powers <input type="checkbox"/></li> <li>• Ordinance making power <input type="checkbox"/></li> <li>• Pardoning power of the Governor <input type="checkbox"/></li> </ul>
<p>□ <b>Dispute redressal mechanisms and institutions</b></p> <ul style="list-style-type: none"> <li>• What is Dispute redressal mechanisms? <input type="checkbox"/></li> <li>• Need of Dispute redressal mechanisms <input type="checkbox"/></li> <li>• Administrative tribunal and issues <input type="checkbox"/></li> </ul>	<p>□ <b>CM</b></p> <ul style="list-style-type: none"> <li>• Appointment <input type="checkbox"/></li> <li>• Powers and responsibilities <input type="checkbox"/></li> <li>• Relationship between the Governor and the Chief Minister <input type="checkbox"/></li> <li>• Relationship between CoM and the Chief Minister <input type="checkbox"/></li> </ul> <p>□ <b>The Advocate-General for the State</b></p> <ul style="list-style-type: none"> <li>• Appointment <input type="checkbox"/></li> <li>• Functions <input type="checkbox"/></li> </ul> <p>□ <b>State legislature</b></p> <ul style="list-style-type: none"> <li>• The composition of Vidhan Sabha and Vidhan Parishad <input type="checkbox"/></li> <li>• Qualifications of the Members of Legislature <input type="checkbox"/></li> <li>• Powers and Functions of State <input type="checkbox"/></li> </ul>

<p>Legislature</p> <ul style="list-style-type: none"> <li>• Relationship between both the Houses <input type="checkbox"/></li> <li>• Officers of State Legislature <input type="checkbox"/></li> <li>• Powers, Privileges and Immunities of State Legislatures and their Members <input type="checkbox"/></li> <li>• Legislative procedure <input type="checkbox"/></li> <li>• Governor's assent to Bills <input type="checkbox"/></li> <li>• Procedure in Financial Matters/ Budget <input type="checkbox"/></li> </ul> <p>□ <b>Constitutional Bodies</b></p> <ul style="list-style-type: none"> <li>• Election Commission <input type="checkbox"/></li> <li>• Union Public Service Commission <input type="checkbox"/></li> <li>• State Public Service Commission <input type="checkbox"/></li> <li>• Finance Commission <input type="checkbox"/></li> <li>• GST Council <input type="checkbox"/></li> <li>• National Commission for SCs and STs <input type="checkbox"/></li> <li>• Special Officer for Linguistic Minorities <input type="checkbox"/></li> <li>• National Commission for Backwards <input type="checkbox"/></li> </ul> <p>□ <b>Non-Constitutional Bodies</b></p> <ul style="list-style-type: none"> <li>• NITI Aayog <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• National and State Human Rights Commission <input type="checkbox"/></li> <li>• Central and State Information Commission <input type="checkbox"/></li> <li>• Central Vigilance Commission <input type="checkbox"/></li> <li>• Central Bureau of Investigation <input type="checkbox"/></li> <li>• Lokpal and Lokayukta <input type="checkbox"/></li> </ul> <p>□ <b>Various Constitutional Dimensions</b></p> <ul style="list-style-type: none"> <li>• Co-operative Societies <input type="checkbox"/></li> <li>• Official Languages under the Indian Constitution <input type="checkbox"/></li> </ul> <p>□ <b>Political Dynamics</b></p> <ul style="list-style-type: none"> <li>• Provisions related to Political Parties <input type="checkbox"/></li> <li>• Rise of Regional Parties in India <input type="checkbox"/></li> <li>• Election Laws and Electoral Reforms in India <input type="checkbox"/></li> <li>• Importance of NRI votes in Indian Election System <input type="checkbox"/></li> <li>• Tenth Schedule of the Indian Constitution <input type="checkbox"/></li> </ul>
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## CONTEMPORARY ISSUES

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

- 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

<ul style="list-style-type: none"> <li>◦ Structure and Organization <input type="checkbox"/></li> <li>◦ Advantages <input type="checkbox"/></li> <li>◦ Micro Finance in India <input type="checkbox"/></li> <li>● Non-Government Organizations <input type="checkbox"/></li> <li>◦ What are NGOs? <input type="checkbox"/></li> <li>◦ Difference between Non-Government Organizations (NGOs) and International Non-Government Organizations (INGOs) <input type="checkbox"/></li> <li>◦ United Nations Criteria for INGO and NGO <input type="checkbox"/></li> <li>◦ NGOs and development projects <input type="checkbox"/></li> <li>◦ NGOs and Community development <input type="checkbox"/></li> <li>◦ NGOs involved in relief and rehabilitation <input type="checkbox"/></li> <li>◦ NGOs involved in disaster management <input type="checkbox"/></li> <li>◦ NGOs and advocacy <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>◻ <b>e-Governance</b></li> <li>● Introduction <input type="checkbox"/></li> <li>● Applications <input type="checkbox"/></li> <li>● Models <input type="checkbox"/></li> <li>● Successes <input type="checkbox"/></li> <li>● Limitations <input type="checkbox"/></li> <li>● Future prospects <input type="checkbox"/></li> <li>● Dashboards and Portals of E-governance and E-government - Uses/Impact/Analysis <input type="checkbox"/></li> <li>● Democracy and E-governance <input type="checkbox"/></li> <li>● E governance and Judiciary <input type="checkbox"/></li> <li>● E governance and Legislatures <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>◻ <b>Important aspects of governance, transparency and accountability</b></li> <li>● Citizen centric governance <input type="checkbox"/></li> <li>● Features of good governance <input type="checkbox"/></li> <li>● Legislative accountability <input type="checkbox"/></li> <li>● Administrative accountability <input type="checkbox"/></li> <li>● Judicial accountability <input type="checkbox"/></li> <li>● Ombudsman <input type="checkbox"/></li> <li>● Whistleblowers concept <input type="checkbox"/></li> <li>● Anti corruption machinery <input type="checkbox"/></li> <li>◦ Role of citizens <input type="checkbox"/></li> <li>◦ Role of media <input type="checkbox"/></li> <li>◦ Social audit <input type="checkbox"/></li> <li>● Systematic reforms <input type="checkbox"/></li> <li>● Social Media and Accountability/Transparency/Governance <input type="checkbox"/></li> <li>● Decentralisation <input type="checkbox"/></li> <li>● Delegation <input type="checkbox"/></li> <li>● Delegation vs decentralisation <input type="checkbox"/></li> <li>● Bottom-up governance <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>◻ <b>Citizens Charters</b></li> <li>● Citizens Charters <input type="checkbox"/></li> <li>● Introduction <input type="checkbox"/></li> <li>● Models <input type="checkbox"/></li> <li>● Features <input type="checkbox"/></li> <li>● CC in India <input type="checkbox"/></li> <li>● Issues in CC implementation <input type="checkbox"/></li> <li>● Reform needed <input type="checkbox"/></li> <li>● Sevottam Framework <input type="checkbox"/></li> <li>● Citizens and Citizens Charters <input type="checkbox"/></li> </ul>
	<ul style="list-style-type: none"> <li>◻ <b>Role of civil services in a democracy</b></li> <li>● Concept of civil services <input type="checkbox"/></li> <li>● Need for civil services <input type="checkbox"/></li> <li>● Different role of civil services <input type="checkbox"/></li> <li>● Law making <input type="checkbox"/></li> <li>◦ Policy formulation <input type="checkbox"/></li> <li>◦ Policy implementation <input type="checkbox"/></li> <li>◦ Policy evaluation <input type="checkbox"/></li> <li>● Civil services as protector of democracy <input type="checkbox"/></li> <li>● To protect minorities (religious and linguistic) <input type="checkbox"/></li> <li>● To promote Inclusive and sustainable growth <input type="checkbox"/></li> <li>● Civil Services – Democracy dynamics <input type="checkbox"/></li> <li>● Civil Services in eras- Post <input type="checkbox"/></li> </ul>

<p>independence/ Post-LPG/in 21st century</p> <ul style="list-style-type: none"> <li>• Emerging challenges for Civil Services <input type="checkbox"/></li> <li>• Reforms - Lateral Entry <input type="checkbox"/></li> <li>• Capacity building of Civil Services (Past to Present) Autonomy <input type="checkbox"/></li> <li>• Frequent transfers and security of tenure - concept/benefits/ analysis <input type="checkbox"/></li> <li>• Cadre Policy <input type="checkbox"/></li> <li>• Performance Appraisal and HR policies for Civil Services <input type="checkbox"/></li> <li>• Civil Services Board <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Functions and responsibilities of UPSC <input type="checkbox"/></li> <li>• Powers and privileges of UPSC (provided by Constitution and different Acts of Parliament.) <input type="checkbox"/></li> <li>• Appointment to Finance commission (procedure of appointment) <input type="checkbox"/></li> <li>• Composition of Finance Commission <input type="checkbox"/></li> <li>• Functions and responsibilities of Finance Commission <input type="checkbox"/></li> <li>• Powers and privileges of Finance Commission (provided by Constitution and different Acts of Parliament.) <input type="checkbox"/></li> <li>• National Commission for SCs and STs. <input type="checkbox"/></li> <li>• Other bodies - NGT, NHRC etc. <input type="checkbox"/></li> <li>• Evaluation of Each body: History/ Evolution/ Pros/Cons/Issues/ Challenges/Way Forward <input type="checkbox"/></li> </ul>
<p>□ <b>Pressure groups and formal/informal asso-ciations and their role in the Polity</b></p> <ul style="list-style-type: none"> <li>• What are pressure groups? <input type="checkbox"/></li> <li>• Types <input type="checkbox"/></li> <li>• The significance of pressure groups in India <input type="checkbox"/></li> <li>• Differentiate between a pressure group and a political party <input type="checkbox"/></li> <li>• Evaluation of pressure groups role <input type="checkbox"/></li> <li>• Pressure groups and new media <input type="checkbox"/></li> <li>• Politicisation of Pressure Groups <input type="checkbox"/></li> <li>• Role of pressure groups in governance <input type="checkbox"/></li> <li>• Issues, pros, cons, challenges for Pressure Groups <input type="checkbox"/></li> </ul>	<p>□ <b>Statutory, Regulatory and various Quasi-Judicial Bodies</b></p> <ul style="list-style-type: none"> <li>• SEBI <input type="checkbox"/></li> <li>• CVC <input type="checkbox"/></li> <li>• CBI <input type="checkbox"/></li> <li>• Planning Commission <input type="checkbox"/></li> <li>• NDC <input type="checkbox"/></li> <li>• PMO <input type="checkbox"/></li> <li>• Zonal Council <input type="checkbox"/></li> <li>• TRAI <input type="checkbox"/></li> <li>• NCLAT <input type="checkbox"/></li> <li>• IRDA <input type="checkbox"/></li> <li>• National Human Rights Commission <input type="checkbox"/></li> <li>• State Human Rights Commission <input type="checkbox"/></li> <li>• Central Information Commission <input type="checkbox"/></li> <li>• State Information Commission <input type="checkbox"/></li> <li>• National Consumer Disputes Redressal Commission <input type="checkbox"/></li> <li>• Tribunal <input type="checkbox"/></li> <li>• Medical Council of India <input type="checkbox"/></li> <li>• Pension Fund Regulatory and Development Authority <input type="checkbox"/></li> <li>• Biodiversity Authority of India <input type="checkbox"/></li> <li>• Press Council of India <input type="checkbox"/></li> <li>• Forward Markets Commission <input type="checkbox"/></li> <li>• Inland Waterways Authority of India <input type="checkbox"/></li> </ul>
<p>□ <b>Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies</b></p> <ul style="list-style-type: none"> <li>• Appointment of CAG (procedure of appointment) - composition of CAG <input type="checkbox"/></li> <li>• Functions and responsibilities of CAG <input type="checkbox"/></li> <li>• Powers and privileges of CAG (provided by constitution and different ACTs of Parliament.) <input type="checkbox"/></li> <li>• Appointment of ECI (procedure of appointment) - composition of ECI <input type="checkbox"/></li> <li>• Functions and responsibilities of ECI <input type="checkbox"/></li> <li>• Powers and privileges of ECI (provided by Constitution and different acts of Parliament) <input type="checkbox"/></li> <li>• Appointment to UPSC (procedure of appointment)- composition of UPSC <input type="checkbox"/></li> </ul>	

<ul style="list-style-type: none"> <li>• RBI <input type="checkbox"/></li> <li>• Evaluation of Each body: History/ Evolution/ Pros/Cons/Issues/ Challenges/Way Forward <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>issues (Disaster Management, Technology) <input type="checkbox"/></li> <li>• Localism <input type="checkbox"/></li> <li>• Neo-Localism <input type="checkbox"/></li> <li>• Subsidiarity <input type="checkbox"/></li> </ul>
<p>□ <b>Elections in India</b></p> <ul style="list-style-type: none"> <li>• Salient features of the Representation of People Act, 1950 <input type="checkbox"/></li> <li>• Salient features of Representation of Peoples Act, 1951 <input type="checkbox"/></li> <li>• Electoral reforms <input type="checkbox"/></li> <li>• Criminalization of politics <input type="checkbox"/></li> <li>• Negative or neutral voting <input type="checkbox"/></li> <li>• State funding of Elections <input type="checkbox"/></li> <li>• Irregularities in polling <input type="checkbox"/></li> <li>• Electoral Bonds <input type="checkbox"/></li> </ul>	<p>□ <b>Vulnerable Sections (issues/ challenges/ solutions/laws/ interventions)</b></p> <ul style="list-style-type: none"> <li>• SC <input type="checkbox"/></li> <li>• ST <input type="checkbox"/></li> <li>• OBC <input type="checkbox"/></li> <li>• Migrants <input type="checkbox"/></li> <li>• Women <input type="checkbox"/></li> <li>• Disabled <input type="checkbox"/></li> <li>• Children <input type="checkbox"/></li> <li>• Refugees <input type="checkbox"/></li> <li>• Transgenders <input type="checkbox"/></li> <li>• LGBT <input type="checkbox"/></li> <li>• Manual Scavengers <input type="checkbox"/></li> <li>• People with Special needs etc. <input type="checkbox"/></li> </ul>
<p>□ <b>Political Parties in India</b></p> <ul style="list-style-type: none"> <li>• Political parties in India <input type="checkbox"/></li> <li>• Party reforms <input type="checkbox"/></li> <li>• Problems in the working of parties <input type="checkbox"/></li> <li>• Casteism and politics <input type="checkbox"/></li> <li>• Reforms in Party system in India <input type="checkbox"/></li> <li>• Strengthening of Anti-defection measures <input type="checkbox"/></li> <li>• Coalition Governments and dynamics <input type="checkbox"/></li> </ul>	<p>□ <b>Poverty, Hunger and Health (Evaluation/ issues/challenges/ solutions/committees/ commissions/ Programs/ institutions/ international comparisons)</b></p> <ul style="list-style-type: none"> <li>• Poverty <input type="checkbox"/></li> <li>• Hunger <input type="checkbox"/></li> <li>• Health <input type="checkbox"/></li> <li>• Malnutrition <input type="checkbox"/></li> <li>• Unemployment <input type="checkbox"/></li> <li>• Distress Migration <input type="checkbox"/></li> <li>• Schemes - MGNREGA, PM POSHAN, Ayushman Bharat etc <input type="checkbox"/></li> <li>• Policies - NHP, NEP etc. <input type="checkbox"/></li> </ul>
<p>□ <b>Role of Pressure Groups</b></p> <ul style="list-style-type: none"> <li>• Types of pressure groups <input type="checkbox"/></li> <li>• Role of pressure group in developing countries <input type="checkbox"/></li> <li>• Functions of pressure groups in India <input type="checkbox"/></li> <li>• Pressure groups methods <input type="checkbox"/></li> <li>• Pressure groups and Democracy <input type="checkbox"/></li> <li>• Criticism of pressure groups <input type="checkbox"/></li> </ul>	<p>□ <b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>• 'Concern about democracy in the digital age' <input type="checkbox"/></li> <li>• Indices and Rankings – Domestic and International (e.g. Global Hunger Index, <input type="checkbox"/></li> </ul>
<p>□ <b>Local Government and Governance</b></p> <ul style="list-style-type: none"> <li>• Issues of Funds, Functions and Functionaries. <input type="checkbox"/></li> <li>• Local Government and Vulnerable Sections (SC/ST/OBC/Women/ Transgenders/Migrants/Children/ Disabled etc.) <input type="checkbox"/></li> <li>• Local Government and emerging <input type="checkbox"/></li> </ul>	

<p>NITI Aayog's, NIRF etc.)</p> <ul style="list-style-type: none"> <li>• Reports - Domestic/international/governmental/Independent <input type="checkbox"/></li> <li>• Internet shutdowns <input type="checkbox"/></li> <li>• Committees and Commissions (Findings/recommendations/ Analysis) <input type="checkbox"/></li> <li>• Co-operatives <input type="checkbox"/></li> <li>• MSME <input type="checkbox"/></li> <li>• One nation one ration card/One district one product <input type="checkbox"/></li> <li>• Aspirational districts <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Sustainable Development Goals and India <input type="checkbox"/></li> <li>• Entitlement portability <input type="checkbox"/></li> <li>• Fake news, Hate speech <input type="checkbox"/></li> <li>• Recent interventions (e.g. Laws - Privacy/Crypto currency/Uniform Civil Code/ Termination of Pregnancy etc. <input type="checkbox"/></li> <li>• IT rules - regulating the OTT and Digital Media <input type="checkbox"/></li> <li>• Missions (Jal Jeevan mission/Gati Shakti etc) <input type="checkbox"/></li> </ul>
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## 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 Samridhi 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
- Swachch 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

<ul style="list-style-type: none"> <li>Amrut (Atal Mission for Rejuvenation and Urban Transformation) <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>PRAGATI (Pro-Active Governance and Timely Implementation) <input type="checkbox"/></li> </ul>
<p>□ <b>Miscellaneous Schemes</b></p> <ul style="list-style-type: none"> <li>Jeevan Praman <input type="checkbox"/></li> <li>Digilocker <input type="checkbox"/></li> <li>Bharatnet Project (National Optical Fibre Network) <input type="checkbox"/></li> <li>INSPIRE (Innovation in Science Pursuit for Inspired Research) <input type="checkbox"/></li> <li>SAKAAR <input type="checkbox"/></li> <li>Digital India <input type="checkbox"/></li> <li>Namami Gange Project (Integrated Ganga Conservation Mission Project) <input type="checkbox"/></li> <li>Ganga Gram Yojana <input type="checkbox"/></li> <li>Jal Kranti Abhiyan <input type="checkbox"/></li> <li>Khelo India <input type="checkbox"/></li> <li>One Rank One Pension Scheme <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>Indian Community Welfare Fund (ICWF) <input type="checkbox"/></li> </ul> <p>□ <b>Inclusive growth</b></p> <ul style="list-style-type: none"> <li>Measurement criteria <input type="checkbox"/></li> <li>Government initiatives for inclusive growth <input type="checkbox"/></li> <li>Basic Amenities: Housing/Drinking Waters/Sanitations <input type="checkbox"/></li> <li>Sustainable Development <input type="checkbox"/></li> <li>Rural Development <input type="checkbox"/></li> <li>Rural development and poverty alleviation <input type="checkbox"/></li> <li>Review of the Existing Programmes <input type="checkbox"/></li> <li>Development Administration <input type="checkbox"/></li> <li>Panchayati Raj <input type="checkbox"/></li> <li>Agriculture and Rural Development <input type="checkbox"/></li> </ul>

## CONTEMPORARY ISSUES

<p>□ <b>Issues</b></p> <ul style="list-style-type: none"> <li>Elections &amp; Technology</li> <li>Women in Judiciary</li> <li>Technology and E governance in Judiciary</li> <li>Microfinance Sector</li> <li>Foreign Higher Educational Institutions (FHEIs) in India</li> <li>Municipal Bonds</li> <li>Social Stock Exchange</li> <li>Foundational Literacy And Numeracy (FLN)</li> <li>Particularly Vulnerable Tribal Groups (PVTG's)</li> <li>Manual Scavenging</li> <li>Gender Budgeting</li> <li>Women in Workforce</li> <li>Mental Healthcare</li> <li>Regulation of Fake News</li> <li>Direct Benefit Transfers (DBT)</li> <li>e-Commerce Promotion and Regulation</li> </ul>	<ul style="list-style-type: none"> <li>E-pharmacy Sector</li> <li>Vehicle Scrappage</li> <li>Right to Repair</li> <li>Forest Rights in India</li> <li>Right To Health</li> <li>Nutrition Crisis in Adolescent Girls and Women</li> <li>Land Records Modernization in India</li> <li>Regulation of Online Gaming</li> <li>Mid-Day Meal</li> <li>Internet Shutdowns</li> <li>Sexual harassment at Workplace</li> <li>Child Malnutrition</li> <li>Issue of Child Marriage</li> <li>Internal Displacement</li> <li>Food Fortification</li> <li>OTT Regulation in India</li> <li>Regulation of Start-Up Ecosystem</li> <li>Gig Workers and Gig Economy</li> <li>Global Regulatory Framework For Crypto-Asset Activities</li> </ul>
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- Right-Based Approach for Development
- Urbanisation and Agri-food System
- Mother Tongue in Foundational Education
- Medical and Wellness Tourism
- Tribal Health
- Drug Abuse in India
- PVTG Welfare
- Regulation of Crypto Assets
- Digital Inclusion in Emerging Technologies
- Digitisation of Agriculture
- Universal Health Coverage
- Women's Basic Income
- Capacity Building of Urban Local Bodies (ULBs)
- Role of Technology in Public Services Delivery
- Consumer Protection in India
- LGBTQIA+ , Queer rights and welfare
- Malnutrition in Children
- Digital Public Infrastructure (DPI)
- Tribal Welfare
- Accessibility in Urban Infrastructure
- Surrogacy in India
- AI in Healthcare
- Start-ups in Rural India
- Living Wage and Minimum Wage
- Urban Poverty in India
- Early Childhood Care and Education (ECCE)
- Temple Regulation in India
- 'NITI for States' Platform
- Online Child Sexual Exploitation and Abuse (OCSEA)
- Denotified, Nomadic and Semi-Nomadic Tribes (DNTs)
- Finances of Panchayati Raj Institutions (PRIs)
- Illegal Migration
- Gender-Based Violence
- Adoption Regulation
- Solar Rooftop Power
- Climate Resilient Farming
- Senior Care Reforms in India

- Ease of Doing Business Reforms
- Fertilizers Sector in India
- Anganwadi Protocol for Divyang Children
- Decentralised Autonomous Organisations (DAO)
- Self Help Group Bank Linkages (SHG-BL) Project
- Global Finance Architecture for Sustainable Growth
- Emerging Technology and Caste Identities in India
- Drone Sector in India

□ **Policies, Pro grammes and Schemes**

- Aspirational Block Programme (ABP)
- Vehicle Scrapping Policy
- PM SVANidhi
- Jal Jeevan Mission
- Vibrant Villages Programme (VVP) Scheme
- Pradhan Mantri Awas Yojana (Urban)
- Electric Vehicles (EVs) Policy
- Stand-up India
- Open Network for Digital Commerce (ONDC)
- FAME (Faster Adoption and Manufacturing of Hybrid and Electric Vehicle) Scheme
- PLI scheme
- One Station One Product (OSOP) Scheme
- One-stop Centres for Zero Waste
- Poshan Bhi, Padhai Bhi (PBPB) Scheme
- Nyaya Vikas Portal
- Pradhan Mantri Kisan Samman Nidhi (PMKISAN) Scheme
- Mahatma Gandhi National Rural Employment Guarantee Act 2005 (MGNREGA)
- Pradhan Mantri Gram Sadak Yojana (PMGSY)
- Centralised Information Management System
- Water, Sanitation and Hygiene (WASH)

- Pradhan Mantri Shram Yogi Maan Dhaan (PMSYM)
  - Direct Benefit Transfer (DBT)
  - BharatNet
  - National Social Assistance Programme (NSAP)
  - Ayushman Bharat - Pradhan Mantri Jan Arogya Yojana (AB-PMJAY)
  - Global Initiative on Digital Health (GIDH)
  - SVAMITVA Scheme)
  - National Logistics Policy (NLP)
  - PM Vishwakarma scheme
  - 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
  - Gram Manchitra
  - Uttar Poorva Transformative Industrialization Scheme, 2024 (UNNATI 2024)
  - Electric Mobility Promotion Scheme- 2024
  - The Holistic Progress Card (HPC)
  - SWAYAM Plus platform
  - Pradhan Mantri Anusuchit Jaati Abhyuday Yojna
  - 'SMART 2.0' for Ayurveda Teaching Professionals
  - Sukanya Samriddhi Yojana (SSY)
  - Revamped Scheme for Administrative Reforms
  - MPLADS e-SAKSHI Mobile Application
  - Pradhan Mantri Gram Sadak Yojana
  - Payments Infrastructure Development Fund (PIDF) Scheme
  - National Transit Pass System (NTPS)
  - Solar Power Scheme for PVTGs Habitations
  - PRITHvi Vlgyan (PRITHVI) Scheme
  - National Clean Air Programme (NCAP)
  - Pradhan Mantri Adi Adarsh Gram Yojana (PMAAGY)
  - National AYUSH Mission
  - GHAR PORTAL
  - Support to Students for Participating in Competitions Abroad (SSPCA)
  - YUva Vlgyani Karyakram (YUVIKA)
  - Antyodaya Anna Yojana (AAY)
  - Menstrual Leave Policy
  - NITI Aayog Launches GROW Report and Portal
  - Flood Management and Border Areas Programme (FMBAP)
  - Prime Minister Mega Integrated Textile Region and Apparel (PM MITRA) Parks Scheme
  - Pradhan Mantri Matsya Kisan Samridhi SahYojana
  - Ayushman Arogya Mandir (AAM)
  - Raising And Accelerating MSME Productivity (RAMP)
  - 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,

□ **Institutions**

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

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*and many more...*

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**SAURABH SHARMA**  
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# INTERNATIONAL RELATIONS

<ul style="list-style-type: none"> <li>□ <b>Evolution and Key Principles of Indian Foreign Policy</b> <ul style="list-style-type: none"> <li>■ <b>Indian Foreign Policy</b> <ul style="list-style-type: none"> <li>○ Determinants of India's Foreign Policy <input type="checkbox"/></li> <li>○ Factors determining India's Foreign Policy <input type="checkbox"/></li> <li>○ Non-Aligned Movement <input type="checkbox"/></li> <li>○ NAM 2.0 <input type="checkbox"/></li> <li>○ Panchsheel <input type="checkbox"/></li> <li>○ India's Nuclear Doctrine <input type="checkbox"/></li> <li>○ Evolution of Neighbourhood Policy <input type="checkbox"/></li> <li>○ Look East Policy, Act East Policy <input type="checkbox"/></li> <li>○ Look West Policy, Act West Policy <input type="checkbox"/></li> </ul> </li> <li>■ <b>Indian Diaspora</b> <ul style="list-style-type: none"> <li>○ Role played by Indian Diaspora <input type="checkbox"/></li> <li>○ Issue of safety of Indians abroad <input type="checkbox"/></li> <li>○ Schemes for Welfare of Overseas Indian <input type="checkbox"/></li> </ul> </li> </ul> </li> <li>□ <b>Bilateral Relations</b> <input type="checkbox"/></li> <li>□ <b>India &amp; Neighbours</b> <ul style="list-style-type: none"> <li>■ <b>India – Nepal Relations</b> <ul style="list-style-type: none"> <li>○ Background of Relation <input type="checkbox"/></li> <li>○ Cooperation between India &amp; Nepal <input type="checkbox"/></li> <li>○ Contentions in relations between India &amp; Nepal <input type="checkbox"/></li> <li>○ The Issue of Water and Hydropower Cooperation <input type="checkbox"/></li> <li>○ Recommendations to Improve Relations <input type="checkbox"/></li> <li>○ External Influences <input type="checkbox"/></li> </ul> </li> <li>■ <b>India and Bhutan</b> <ul style="list-style-type: none"> <li>○ Economy: A Broad Overview <input type="checkbox"/></li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>○ India, Bhutan and China: Issues <input type="checkbox"/></li> <li>■ <b>Indo-Afghan Bilateral Relations</b> <ul style="list-style-type: none"> <li>○ A Long History of Bilateral Relations <input type="checkbox"/></li> <li>○ The India-Afghanistan Development Partnership <input type="checkbox"/></li> <li>○ Strategic factors undergirding India's Partnership with Afghanistan <input type="checkbox"/></li> <li>○ Afghanistan after NATO Withdrawal <input type="checkbox"/></li> <li>○ Options for India is Afghanistan <input type="checkbox"/></li> <li>○ Presence of Taliban <input type="checkbox"/></li> </ul> </li> <li>■ <b>India-Bangladesh Relations</b> <ul style="list-style-type: none"> <li>○ Development Partnership <input type="checkbox"/></li> <li>○ India-Bangladesh Relations in line with 'Look East' policy <input type="checkbox"/></li> <li>○ Boundary Agreements <input type="checkbox"/></li> <li>○ Teesta River Dispute <input type="checkbox"/></li> </ul> </li> <li>■ <b>India-Maldives Relations</b> <ul style="list-style-type: none"> <li>○ Geostrategic Importance of Maldives <input type="checkbox"/></li> <li>○ Development Cooperation <input type="checkbox"/></li> <li>○ Security Risks <input type="checkbox"/></li> </ul> </li> <li>■ <b>India-Sri Lanka Relations</b> <ul style="list-style-type: none"> <li>○ Commercial Relations <input type="checkbox"/></li> <li>○ Developmental Cooperation <input type="checkbox"/></li> <li>○ Fishermen Issue <input type="checkbox"/></li> </ul> </li> <li>■ <b>India-Myanmar Relations</b> <ul style="list-style-type: none"> <li>○ Relation through ages <input type="checkbox"/></li> <li>○ Recent change in policy <input type="checkbox"/></li> <li>○ China Role <input type="checkbox"/></li> </ul> </li> <li>■ <b>Indo-Pak Relations</b> <ul style="list-style-type: none"> <li>○ Cooperation between India &amp; Pakistan <input type="checkbox"/></li> <li>○ Major Crisis <input type="checkbox"/></li> <li>○ Water Dispute <input type="checkbox"/></li> </ul> </li> </ul>
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<ul style="list-style-type: none"> <li>○ Issue of Terrorism and Proxy Wars <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ India-Kazakhstan <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Indian–Russia</b></li> </ul>	<ul style="list-style-type: none"> <li>○ India Tajikistan <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Cooperation between India and Russia <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ China And Central Asia <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Strategic Cooperation <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ International North-South Transport Corridor <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Major Concerns <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Shanghai Cooperation Organisation <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Russia–China Impact in India <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India-Mongolia</b></li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Indo–China Relations</b></li> </ul>	<ul style="list-style-type: none"> <li>○ India-Mongolia Bilateral Cooperation <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Economic Relation <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Deal on Uranium Supply <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ China India Water Related Issue <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India–UAE</b></li> </ul>
<ul style="list-style-type: none"> <li>○ “String of Pearls Strategy” Chain Diamonds <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Political and economic relation <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ China’s Maritime Silk Route <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Oil Economic Relation <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Implications for India <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India–Iran</b></li> </ul>
<ul style="list-style-type: none"> <li>○ Militarisation of Belt and Road Initiative (BRI) <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Iran Nuclear Deal and India <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Confidence Building Measures (CBMs) <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ India–Iran Relations <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Boarder Disputes <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ US-Geopolitical and Geo-Economic Consideration in Iran <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ South China Sea Dispute <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India–Israel</b></li> </ul>
<ul style="list-style-type: none"> <li>○ Main Disputes <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Israel and Palestine Conflict <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Resources as a Driver of Competition <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ India–Israel Relations <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Attempts for Resolution <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India–Saudi Arabia</b></li> </ul>
<ul style="list-style-type: none"> <li>○ India and South China Dispute <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Areas of Cooperation <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ India and South China Dispute <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Challenges in relations <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>■ <b>Security Challenges in the Indian Ocean Region</b></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Asia-Pacific Region</b></li> </ul>
<ul style="list-style-type: none"> <li>○ The Pivot to Asia – US Policy Shift <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Zones of Activity <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ South China Sea- Issues of Mistrust <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Regional Groupings <input type="checkbox"/></li> </ul>
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<ul style="list-style-type: none"> <li>○ Neighbourhood Issues and Terrorism <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India-South East Asia</b></li> </ul>
<ul style="list-style-type: none"> <li>○ Energy Routes <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Steps in Indo-ASEAN Relations <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Fisheries and Livelihood Issues <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ India-ASEAN Security Co-operation <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ Environmental Security <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>Indo-Japan Bilateral Relationship</b></li> </ul>
<ul style="list-style-type: none"> <li>○ Declaration of Indian Ocean as Zone of Peace <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Economy Centric Relationship <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ India and Asian Nations relations <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Contemporary Perspective <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>□ <b>India &amp; Asian Nations relations</b></li> </ul>	<ul style="list-style-type: none"> <li>■ <b>India–South Korea</b></li> </ul>
<ul style="list-style-type: none"> <li>■ <b>CIS Countries of Central Asia</b></li> </ul>	<ul style="list-style-type: none"> <li>○ India–South Korea Relations <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>○ India-Turkmenistan <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>○ Economic Partnership in Recent Years <input type="checkbox"/></li> </ul>

### ■ India–Vietnam

- Economic Cooperation
- Strategic Cooperation
- Geo-political Issues concerning India–Vietnam Energy Cooperation
- China’s Response
- India’s Response

### □ India & Other Nation

#### ■ India and Africa

- Historical Connections
- Gandhi’s Role
- Nehru’s Role
- Strengthening of Ties
- South-South Engagement
- Current Dynamics
- Economic Cooperation
- Human resources development and capacity building
- Energy Cooperation
- Military Security Co-operation
- Trade Policy
- Afro-Indian Trade
- Indian investment in Africa
- African investment in India
- Development cooperation and assistance

#### ■ India–Australia

- Immigration Issue and Indian Diaspora
- Economic Relationship
- Issue of Nuclear Cooperation

#### ■ India–France

- Strategic Partnership
- Prime Minister’s Recent Visit to France

#### ■ India–Germany

- Indian–Germany Economic Relations

#### ■ India–United Kingdom

- India & UK Relations
- Brexit
- India & BREXIT

### ■ India–USA

- Area of Co-operation: Strategic Consultations
- Area of Co-operation: Counterterrorism and Internal Security
- Area of Co-operation: Trade and Economic
- Area of Co-operation: Energy and Climate Change
- Area of Co-operation: Science & Technology (S & T) and Space
- Area of Co-operation: People to People Ties
- Area of Co-operation: Defence Cooperation
- Intellectual Property Issues
- India and International Organisations
- Indo-Pacific Relations
- Quadrilateral Security Dialogue (QUAD)
- India and Generalised System of Preference (GSP)

### □ Multilateral Relations

#### ■ The World Trade Organization

- Representation in the WTO and Economic Groupings
- How the WTO takes Decisions?
- The WTO Secretariat and Budget
- How Countries Join the WTO
- Assisting Developing and Transition Economies Specialized Help for Export Promotion
- The WTO’s Part in Global Economic Policy-making
- Nairobi Package
- WTO and protectionism
- WTO and IPR
- WTO reforms
- WTO and India
- WTO and Agriculture Issues of developing nations
- WTO and Free Trade Agreements (FTAs)

■ **International Monetary Fund**

- International Monetary Fund (IMF)
- IMF Reforms

■ **Nuclear Security**

- Nuclear Security Summit
- Threats of Nuclear Terrorism
- Missile Technology Control Regime (MTCR)
- Nuclear Suppliers Group (NSG)
- NSG Membership for India
- Nuclear Non-Proliferation Treaty (NPT)

■ **BRICS**

- Economic Environment in BRICS Countries
- BRICS-BIMSTEC
- BRICS & India

■ **BIMSTEC**

- BIMSTEC & India
- Convention on Mutual Legal Assistance in Criminal Matters

■ **IBSA**

- IBSA Potential
- Need for Revitalizing IBSA
- India's Policy Options
- Technological Collaboration

■ **SAARC**

- Prospects For SAARC
- Indo-Pak Conflict
- Problem of Resource Development

■ **India-ASEAN Economic Cooperation**

- Singapore
- Vietnam
- Indonesia

- India ASEAN FTA in Service

□ **Global Institutions**

- United Nations & its Bodies
- Structure of United Nations
- United Nations General Assembly (UNGA)
- United Nations Security Council (UNSC)
- India & UNSC
- Economic and Social Council
- International Court of Justice (ICJ)
- UN Specialised Agencies
- Food & Agriculture Organization (FAO)
- International Civil Aviation Organization (ICAO)
- International Labour Organization (ILO)
- International Maritime Organization (IMO)
- International Telecommunication Union (ITU)
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- International Fund for Agricultural Development (IFAD)
- World Health Organization (WHO) and Question over its Credibility
- World Meteorological Organisation (WMO)
- WIPO
- World Bank
- International Monetary Fund (IMF)

□ **Important Key Concepts**

- New World Order
- Dynamics of New World Order
- New Cold War?

**CONTEMPORARY ISSUES**

- World Migration Report
- United Nations Global Supply Chain Forum

- Minilateralism
- Amendment of International Health Regulations

- United Nations Peace Keeping Force and India
- BIMSTEC Charter
- International Criminal Court and Israel-Hamas Dispute
- Global Anti-Terrorism efforts and India (CTTF)
- Chabahar Port
- Volatile South China Sea
- India-China Border Dispute (Arunachal Pradesh)
- Vision for Global South and Voice of Global South
- NATO (75<sup>TH</sup> Anniversary)
- China-Taiwan Dispute and India
- Bhutan-China Relations and India
- UNSC and G4
- Neighbourhood First Policy
- India-EFTA Deal
- Raisina Dialogue 2024
- INDUS X Summit
- India-Afghanistan (6th Regional Dialogue of Secretaries of Security Councils/National Security Advisers (NSA) on Afghanistan)
- Northern Ireland Conflict
- India-UAE relations
- Red Sea Crises
- Crises in WTO and reforms needed
- India-France relations
- BRICS
- 19<sup>th</sup> NAM Summit
- India- Uganda Relations
- India-Nepal Power Pact
- India-Maldives Dispute
- India-Italy Migration and Mobility Agreement
- China's BRI (Italy's withdrawal)
- Comprehensive Test Ban Treaty
- India-Lithuania Relations
- India and 2+2 diplomacy
- India-Netherlands Relations
- Artificial Intelligence Safety Summit
- Indo-Pacific Maritime Domain Awareness
- India-Tanzania Relations
- India-Argentina Social Security Agreement
- G-20 and India
- India-Canada Relations
- India-Middle East-Europe Corridor
- India-Saudi Arabia Strategic Partnership
- India-Greece Relations
- India in Africa for Renewable Energy
- India in Arctic Region
- India-US Strategic Partnership (Jet Engine Deal)
- Atlantic Declaration
- Outer Space Treaty
- Neighbourhood First Policy
- Gujral Doctrine
- Act East Policy



# ECONOMY

## BASIC ECONOMY

### □ Indian Economy and issues relating to planning

- Indian Economy in Pre-independence Period
- Economy on Eve of Independence 
  - Challenges
  - Features
- Post-Independence India 
  - Issues
- Agriculture and its development so far
- Industry
- Services
- Phases of Economic Development in India
- Nehruvian Socialist Economy
- Economic Reforms
- Planning
- Objectives
- Planning History
- Analysis of each plan
- Growth & Development 
  - Economic Growth in India: 
    - ◆ National Income Determination
    - ◆ GDP
    - ◆ GNP
    - ◆ NDP
    - ◆ NNP
    - ◆ Personal Income
  - Economic Growth versus Economic Development
  - Measures of Economic Development 
    - ◆ Rise in real per capita income

- ◆ Real gross national product
- ◆ Human development index
- ◆ GDP
- ◆ Gender-related development index
- ◆ Poverty index
- Economic and Social Development in India: Millennium Development Goals
- Sustainable Development Goals and India
- Employment

### □ Resource Mobilization

- Types of resources: Physical capital and finance capital
- Need for resource mobilization
- Police State and Democratic Welfare State
- Sources of resource mobilization: Public Sector and Private Sector
- Savings and investment over the five year plan
- Budgetary resources: Tax and Non tax
- Role of Public Debt in resource mobilization and effects: Market borrowing, loans, grants, etc.
- Role of fiscal and monetary policies in resource mobilization
- Role of foreign investment in resource mobilization, desirability and consequences
- Multilateral agencies and resource mobilization

### □ Inclusive growth and issues arising from it

- Meaning and concept of Inclusion

- India's experience in Inclusion
- Social sector initiatives and inclusion process
- Ground reality and working of flagship schemes
- India's growth story in this context
- Rural economy based growth
- Need of Sustainable agriculture, food security and resilience for growth
- Public distribution schemes: Way to inclusive growth
- Financial inclusion as an instrument of inclusive growth
- Poverty Alleviation and Employment Generation as a strategy for inclusive growth
- Social sector development as an instrument for inclusive growth
- Public private partnership for inclusive growth
- Industrial Integration for inclusive growth
- Sectoral and regional diversification as a tool for inclusive growth
- Governmental Schemes and Policies for inclusive growth 
  - Pradhan Mantri Jan Dhan Yojana
  - MUDRA (Micro Units Development and Refinance Agency) Bank
  - Self Employment and Talent Utilization (SETU)
  - Skill India
  - Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)
  - Kisan Card
  - Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
  - National Agriculture Market (NAM)
  - Pradhan Mantri Jeevan Jyoti Beema Yojana
  - Pradhan Mantri Jeevan Suraksha Yojana
  - Atal Pension Yojana
  - Digital India programme

## □ Government Budgeting

- Budget, Economic Survey
- Budget terminology
- Types of Budget
- Features of outcome budgeting
- Merger of Railway and General Budget
- Benefits of budgeting
- Flaws in budgeting process
- Budget analysis
- Subsidy

## □ Investment Models

- Need for Investment
- Sources of Investment
- Measures of Investment
- Capital and investment
- Factors affecting investment
- Classification of Investment
- Types of Investment Models
- Investment Models Followed by India 
  - Domestic Investment Models 
    - Public Investment Model
    - Private Investment Model
    - Public Private Participation Investment Model
  - Foreign Investment Models (FDI, FII, etc.)
- Role of State
- PPP (Public-Private Partnership)
- Savings and Investment Trends

## □ Fiscal policy

- Fiscal Policy in India
- Important Budgetary Terms and Fiscal Concept
- Government Revenues & Spending
- Deficits and its financing 
  - Revenue Deficit
  - Fiscal Deficit
  - Primary Deficit
- Balance Sheet

□ **Taxation**

- Taxation Meaning
- Principles of Taxation
- Objectives of Taxation
- Taxation for Mobilization of Resources
- Tax System in India
- Current Taxation Policy of India
- Subsidies
- Tax Reforms
- GST and its progress
- Retrospective Taxation in India

□ **Monetary policy in India**

- Instruments of Monetary Policy
- Monetary policy in pre-reform Era (1948–1991)
- Monetary Policy in Post-Reform Era (Since 1991)
- Urjit Patel Committee Report
- Monetary Policy Committee and Inflation Targeting

□ **Financial system**

- Indian Financial System – An Overview
- Components of Indian Financial System
- Financial Institutions 
  - Banking Institutions or Depository Institutions
  - Non-Banking Institutions or Non-Depository Institutions
  - Others: (Regulatory, Intermediates, Non Intermediates)
- Financial Assets (Call Money, Notice Money, Term Money, Treasury Bills, Certificate of Deposits, Commercial Paper)
- Financial Services (Banking Services, Insurance Services, Investment Services, Foreign Exchange Services)
- Financial Markets (Capital Market, Money Market, Foreign Exchange Market, Credit Market)
- Indian financial market and Pandemic

□ **Banking**

- Banking in India: Definition, Structure and Functions

- Origin of Banking system
- Type of Banks in India 
  - Central Bank (Reserve Bank of India)
  - Cooperative Banks
  - Commercial Banks 
    - ◆ Public Sector Banks (State Bank of India)
    - ◆ Private Sector Bank (HDFC Bank)
    - ◆ Foreign Banks (CITI Bank)
  - Regional Rural Banks
  - Local Area Banks
  - 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

<ul style="list-style-type: none"> <li>• Land reforms since independence <input type="checkbox"/></li> <li>• Objectives of land reforms in India <input type="checkbox"/></li> <li>• Progress of Land Reforms in India <input type="checkbox"/></li> <li>• Progress of Ceiling Legislation <input type="checkbox"/></li> <li>• NITI Aayog Report on Land Leasing <input type="checkbox"/></li> <li>• SVAMITVA (Survey of Villages and Mapping with Improved Technology in Village Areas) <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Farmers Service Societies (FSS) <input type="checkbox"/></li> </ul>
<p>□ <b>Agriculture Finance</b></p> <ul style="list-style-type: none"> <li>• Features of Agricultural Finance <input type="checkbox"/></li> <li>• Criteria for Agricultural Credit <input type="checkbox"/></li> <li>• Need for Agricultural Finance <input type="checkbox"/></li> <li>• Sources of Agricultural Finance <input type="checkbox"/></li> <li>• Problems of Agricultural Finance <input type="checkbox"/></li> <li>• Measures taken to improve credit flow to agriculture <input type="checkbox"/></li> <li>• Co-operative Credit Societies in India <input type="checkbox"/></li> <li>• Derivate Trade in Agriculture Commodities <input type="checkbox"/></li> </ul>	<p>□ <b>Crop Insurance in India</b></p> <ul style="list-style-type: none"> <li>• Historical Background <input type="checkbox"/></li> <li>• Issues Related to Crop Insurance <input type="checkbox"/></li> <li>• Pradhan Mantri Fasal Bima Yojana <input type="checkbox"/></li> <li>• Comparison with Earlier Crop Insurance Schemes <input type="checkbox"/></li> <li>• Challenges <input type="checkbox"/></li> </ul>
<p>□ <b>Important Schemes</b></p> <ul style="list-style-type: none"> <li>• Pradhan Mantri Kisan Maandhan Yojana <input type="checkbox"/></li> <li>• PM-Kisan Scheme Paramparagat Krishi Vikas Yojana (PKVY) <input type="checkbox"/></li> <li>• Pradhan Mantri Krishi Sinchai Yojana (PMKSY) <input type="checkbox"/></li> <li>• Rythu Bandhu Scheme <input type="checkbox"/></li> </ul>	<p>□ <b>Important Schemes</b></p> <ul style="list-style-type: none"> <li>• Pradhan Mantri Fasal Bima Yojana (PMFBY) <input type="checkbox"/></li> <li>• Kisan Credit Card (KCC) Scheme <input type="checkbox"/></li> <li>• Soil Health Card Scheme <input type="checkbox"/></li> <li>• National Mission for Sustainable Agriculture (NMSA) <input type="checkbox"/></li> </ul>
<p>□ <b>Agricultural Credit Institutions</b></p> <ul style="list-style-type: none"> <li>• Commercial Bank <input type="checkbox"/></li> <li>• Lead Bank Scheme <input type="checkbox"/></li> <li>• Multi Agency Approach <input type="checkbox"/></li> <li>• Regional Rural Banks <input type="checkbox"/></li> <li>• National Bank for Agriculture and Rural Development (NABARD) <input type="checkbox"/></li> <li>• Reserve Bank of India <input type="checkbox"/></li> <li>• Kisan Credit Card Scheme <input type="checkbox"/></li> <li>• Self Help Group (SHG) Bank Linkage Programme <input type="checkbox"/></li> <li>• Rural Infrastructure Development Fund (RIDF) <input type="checkbox"/></li> <li>• Government Policy For Agricultural Credit <input type="checkbox"/></li> </ul>	<p>□ <b>Agriculture Marketing</b></p> <ul style="list-style-type: none"> <li>• Process of Agricultural Marketing in India <input type="checkbox"/></li> <li>• Structure of Agricultural Marketing in India <input type="checkbox"/></li> <li>• Importance of Proper Agriculture Marketing <input type="checkbox"/></li> <li>• Government Measures to Improve Agricultural Marketing in India <input type="checkbox"/></li> <li>• Analysis of APMC Act <input type="checkbox"/></li> <li>• National Agriculture Market (e-NAM) <input type="checkbox"/></li> </ul>
	<p>□ <b>Subsidies</b></p> <ul style="list-style-type: none"> <li>• Subsidy in India <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Farm Subsidies <input type="checkbox"/></li> <li>◦ Fertiliser subsidies <input type="checkbox"/></li> <li>◦ Subsidy on power <input type="checkbox"/></li> <li>◦ Subsidy on irrigation <input type="checkbox"/></li> </ul> </li> <li>• Issues related to direct and indirect farm subsidies and minimum support prices <input type="checkbox"/></li> <li>• Objectives of subsidies <input type="checkbox"/></li> <li>• Transfer of resources from gainers from economic policies to losers from economic policies <input type="checkbox"/></li> <li>• Issues of buffer stocks and food security <input type="checkbox"/></li> <li>• Technology missions <input type="checkbox"/></li> </ul>

<ul style="list-style-type: none"> <li>● Economics of animal-rearing <input type="checkbox"/></li> <li>● 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 <input type="checkbox"/></li> <li>● Buffer Stock policy and government's intervention in food market to keep prices under reasonable limits to help consumers <input type="checkbox"/></li> <li>● Food Security bill, questions of resource mobilization for the FSB, criticism of the FSB <input type="checkbox"/></li> <li>● Important questions on the future of subsidies <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>● Data revolution in Indian agriculture <input type="checkbox"/></li> <li>● Artificial Intelligence &amp; Agriculture <input type="checkbox"/></li> <li>● Social Security Schemes for Farmers <input type="checkbox"/></li> </ul>
<p>□ <b>Agricultural Revolutions in India</b></p> <ul style="list-style-type: none"> <li>● Green Revolution <input type="checkbox"/></li> <li>● White Revolution – Operation Flood <input type="checkbox"/></li> <li>● Yellow Revolution <input type="checkbox"/></li> <li>● Blue Revolution <input type="checkbox"/></li> <li>● Golden Fiber Revolution: Jute <input type="checkbox"/></li> <li>● The future of Indian agriculture <input type="checkbox"/></li> </ul>	<p>□ <b>Food Processing</b></p> <ul style="list-style-type: none"> <li>● Food processing and related industries: Scope and significance, location, upstream and downstream requirements, supply chain management. <input type="checkbox"/></li> <li>● Processed Foods Scenario with respect to Specific Sectors <input type="checkbox"/></li> <li>● Policy Initiatives <input type="checkbox"/></li> <li>● Infrastructure Development in Food Processing Sector <input type="checkbox"/></li> <li>● Issues in Food Processing Sector <input type="checkbox"/></li> <li>● FDI Policy in Food Processing <input type="checkbox"/></li> <li>● Notable Trends in the Indian Food Processing Sector <input type="checkbox"/></li> <li>● Strategies Adopted in Budget <input type="checkbox"/></li> <li>● New foreign and domestic investment <input type="checkbox"/></li> <li>● Sector-specific government policies <input type="checkbox"/></li> </ul>

## INDUSTRY

<p>□ <b>Industrial Policy and Industrial Development: Main Issues</b></p> <ul style="list-style-type: none"> <li>● Mahalanobis strategy and India's industrial policy-Discussing Industrial policy resolution 1948 and 1956 critically <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ New Economic Policy and Industrial policy under the policy of Liberalization <input type="checkbox"/></li> <li>○ Privatization <input type="checkbox"/></li> <li>○ Globalization <input type="checkbox"/></li> </ul> </li> <li>● Phases of Industrial development <input type="checkbox"/></li> <li>● Effects of liberalization on the economy <input type="checkbox"/></li> <li>● Changes in industrial policy and their effects on industrial growth <input type="checkbox"/></li> <li>● Impact on Different Sectors of the Economy <input type="checkbox"/></li> </ul>	<p>sector, Investment in the industrial sector, employment, productivity, profit etc.</p> <ul style="list-style-type: none"> <li>● Strategies for disinvestment and privatization <input type="checkbox"/></li> <li>● Role of Small, Medium and Micro enterprises, Government Policy, main problems, effects of globalization <input type="checkbox"/></li> <li>● New Manufacturing Policy <input type="checkbox"/></li> <li>● Industrial disbursal and Industrial corridors <input type="checkbox"/></li> <li>● SEZs - Main issues like land use, relocation of same industries that exist, exports earnings vs loss of tax income <input type="checkbox"/></li> <li>● Industrial sickness, institutional mechanism to support the sick industries, exit policy issues <input type="checkbox"/></li> <li>● Main constraints in the industrial development of India <input type="checkbox"/></li> <li>● Effects of globalization on industries <input type="checkbox"/></li> <li>● Sub-prime crisis and sovereign debt crisis on Industry in India <input type="checkbox"/></li> </ul>
<p>□ <b>Main features of Industrial development in India</b></p> <ul style="list-style-type: none"> <li>● Roles of private sector and public <input type="checkbox"/></li> </ul>	

- 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  | <input type="checkbox"/> | • Properties of solution             | <input type="checkbox"/> |
| • States of Matters   | <input type="checkbox"/> | • Chemicals in everyday life         | <input type="checkbox"/> |
| • Atomic structure  | <input type="checkbox"/> | • Polymers and Biopolymers           | <input type="checkbox"/> |
| • Chemical bonding  | <input type="checkbox"/> | • Chemistry of Pharmaceuticals       | <input type="checkbox"/> |
| • Metals and non-metals   | <input type="checkbox"/> | • Carbon and its allotropes          | <input type="checkbox"/> |
| • Metallurgy  | <input type="checkbox"/> | • Hydrocarbons and their derivatives | <input type="checkbox"/> |
| • Acid and base   | <input type="checkbox"/> | • Biomolecules                       | <input type="checkbox"/> |
| • Applications of electro-chemistry<br>(Battery and Charging devices) | <input type="checkbox"/> | • Vitamins and Enzymes               | <input type="checkbox"/> |

## PHYSICS

- |  |                          |                                   |                          |
|--|--------------------------|-----------------------------------|--------------------------|
| • Properties of fundamental particles      | <input type="checkbox"/> | • Universe                        | <input type="checkbox"/> |
| • Fundamental forces                       | <input type="checkbox"/> | • Planets, stars, and galaxies    | <input type="checkbox"/> |
| • Energy and its various types             | <input type="checkbox"/> | • Big-bang theory and singularity | <input type="checkbox"/> |
| • Optics                                   | <input type="checkbox"/> | • Dark matter and energy          | <input type="checkbox"/> |
| • Electromagnetic spectrum                 | <input type="checkbox"/> | • Black holes                     | <input type="checkbox"/> |
| • Laws and theories in physics, Relativity | <input type="checkbox"/> | • Neutrino Observatory            | <input type="checkbox"/> |
| • Electromagnetism                         | <input type="checkbox"/> | • Gravitational Waves             | <input type="checkbox"/> |
| • Heat and thermodynamics                  | <input type="checkbox"/> | • Sunspot                         | <input type="checkbox"/> |
| • Waves                                    | <input type="checkbox"/> | • Magnetars and Neutron stars     | <input type="checkbox"/> |
| • Mechanical                               | <input type="checkbox"/> | • Sub-atomic particles            | <input type="checkbox"/> |
| • Electromagnetic waves                    | <input type="checkbox"/> |                                   |                          |

## BIOLOGY

- |  |                          |               |                          |
|--|--------------------------|---------------|--------------------------|
| <input type="checkbox"/> <b>Chemical Building Blocks of Life</b> | <input type="checkbox"/> | • Viruses     | <input type="checkbox"/> |
| <input type="checkbox"/> <b>History and Origin of Life</b>       | <input type="checkbox"/> | • Prokaryotes | <input type="checkbox"/> |
| <input type="checkbox"/> <b>Diversity of Living Things</b>       | <input type="checkbox"/> | • Eukaryotes  | <input type="checkbox"/> |
| • Classification and Domains of Life                             | <input type="checkbox"/> | • Protists    | <input type="checkbox"/> |
|  |                          | • Plants      | <input type="checkbox"/> |

<ul style="list-style-type: none"> <li>• Fungi <input type="checkbox"/></li> <li>• Animals <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• The Digestive System <input type="checkbox"/></li> <li>• Immune system <input type="checkbox"/></li> </ul>
<p>□ <b>Evolution</b></p> <ul style="list-style-type: none"> <li>• Evolution of Life <input type="checkbox"/></li> <li>• Human Evolution <input type="checkbox"/></li> </ul>	<p>□ <b>Nutrition</b></p> <ul style="list-style-type: none"> <li>• Classification by Source of Energy and Carbon <input type="checkbox"/></li> <li>• Plant Nutrition <input type="checkbox"/></li> <li>• Animal Nutrition <input type="checkbox"/></li> <li>• Human Diet <input type="checkbox"/></li> </ul>
<p>□ <b>Genetics</b></p> <ul style="list-style-type: none"> <li>• Inheritance <input type="checkbox"/></li> <li>• DNA and RNA <input type="checkbox"/></li> <li>• Gene Expression <input type="checkbox"/></li> <li>• Gene Regulation <input type="checkbox"/></li> <li>• Mutation <input type="checkbox"/></li> </ul>	<p>□ <b>Plant physiology</b></p> <ul style="list-style-type: none"> <li>• Photosynthesis <input type="checkbox"/></li> <li>• Respiration <input type="checkbox"/></li> <li>• Plant-water balance <input type="checkbox"/></li> <li>• Reproduction <input type="checkbox"/></li> </ul>
<p>□ <b>Cells</b></p> <ul style="list-style-type: none"> <li>• Cell Structure <input type="checkbox"/></li> <li>• Membranes <input type="checkbox"/></li> <li>• Cell-Cell Interactions <input type="checkbox"/></li> <li>• Respiration <input type="checkbox"/></li> <li>• Energy and Metabolism <input type="checkbox"/></li> <li>• Cells Division <input type="checkbox"/></li> <li>• Tissues <input type="checkbox"/></li> <li>• Epithelial tissue <input type="checkbox"/></li> <li>• Connective tissue <input type="checkbox"/></li> <li>• Muscle tissue <input type="checkbox"/></li> <li>• Nervous <input type="checkbox"/></li> <li>• Myocardial <input type="checkbox"/></li> <li>• Hepatic <input type="checkbox"/></li> </ul>	<p>□ <b>Economic Zoology</b></p> <ul style="list-style-type: none"> <li>• Microbes in Human Welfare <input type="checkbox"/></li> <li>• Beneficial animals <input type="checkbox"/></li> <li>• Beneficial insects <input type="checkbox"/></li> </ul>
<p>□ <b>Organ system and Human physiology</b></p> <ul style="list-style-type: none"> <li>• Endocrine System <input type="checkbox"/></li> <li>• Respiratory system <input type="checkbox"/></li> <li>• Circulatory system <input type="checkbox"/></li> <li>• Skeletal and Muscular Systems <input type="checkbox"/></li> <li>• Reproduction <input type="checkbox"/></li> <li>• Excretion, Osmoregulation and Thermoregulation <input type="checkbox"/></li> </ul>	<p>□ <b>Economic botany</b></p> <ul style="list-style-type: none"> <li>• Family of angiosperms <input type="checkbox"/></li> <li>• Tissue culture <input type="checkbox"/></li> <li>• Grafting <input type="checkbox"/></li> <li>• Horticulture <input type="checkbox"/></li> </ul>
	<p>□ <b>Imaging techniques</b></p> <ul style="list-style-type: none"> <li>• CT scan <input type="checkbox"/></li> <li>• Magnetic resonance imaging <input type="checkbox"/></li> <li>• Positron emission tomography (PET) <input type="checkbox"/></li> </ul>
	<p>□ <b>Biological fuel generation</b></p> <ul style="list-style-type: none"> <li>• Generation and significance of fossils fuels <input type="checkbox"/></li> <li>• Biofuels from biomass <input type="checkbox"/></li> <li>• Biodiesel <input type="checkbox"/></li> <li>• Natural gas and petroleum <input type="checkbox"/></li> <li>• Hydrogen <input type="checkbox"/></li> </ul>

## BIOTECHNOLOGY

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

## HUMAN HEALTH & DISEASES

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

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

## NUCLEAR ENERGY

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

<p><input type="checkbox"/> <b>Computers</b></p> <ul style="list-style-type: none"> <li>• Generation of computers <input type="checkbox"/></li> <li>• Computer terminologies <input type="checkbox"/></li> <li>• Supercomputer and its applications <input type="checkbox"/></li> <li>• Cloud computing <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Information Technology</b></p>	<ul style="list-style-type: none"> <li>• Components of IT <input type="checkbox"/></li> <li>• IT enabled services <input type="checkbox"/></li> <li>• Application of IT <input type="checkbox"/></li> </ul> <p><input type="checkbox"/> <b>Display Technologies</b></p> <ul style="list-style-type: none"> <li>• Cathode ray <input type="checkbox"/></li> <li>• LCD <input type="checkbox"/></li> </ul>
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<ul style="list-style-type: none"> <li>• LED <input type="checkbox"/></li> <li>• Plasma Monitors <input type="checkbox"/></li> <li>• OLED <input type="checkbox"/></li> <li>• AMOLED <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>□ Net Neutrality <input type="checkbox"/></li> <li>□ Internet of Things <input type="checkbox"/></li> <li>□ Big Data Initiative and Privacy <input type="checkbox"/></li> <li>□ Cyber-crime and Security <input type="checkbox"/></li> <li>□ Government Initiatives <input type="checkbox"/></li> </ul>
<ul style="list-style-type: none"> <li>□ Mobile Generations <input type="checkbox"/></li> <li>□ Smartphone <input type="checkbox"/></li> </ul>	

## NANO SCIENCE & NANO TECHNOLOGIES

<ul style="list-style-type: none"> <li>□ Basics of Nano Science and Nano Technology <input type="checkbox"/></li> <li>□ Nanomaterial <input type="checkbox"/></li> <li>□ Applications of Nano Technology             <ul style="list-style-type: none"> <li>• Nano medicine <input type="checkbox"/></li> <li>• Semiconductors and computing <input type="checkbox"/></li> <li>• Food <input type="checkbox"/></li> <li>• Textiles <input type="checkbox"/></li> <li>• Sustainable energy <input type="checkbox"/></li> <li>• Environment <input type="checkbox"/></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Transport <input type="checkbox"/></li> <li>• Space <input type="checkbox"/></li> <li>• Agriculture <input type="checkbox"/></li> <li>□ Impacts of Nano Technology             <ul style="list-style-type: none"> <li>• Adverse Health and Environmental <input type="checkbox"/></li> <li>• Social and Ethical Impacts <input type="checkbox"/></li> </ul> </li> <li>□ Nano Science &amp; Nano technology in India <input type="checkbox"/></li> </ul>
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## ROBOTICS & AI

<ul style="list-style-type: none"> <li>□ Robotics             <ul style="list-style-type: none"> <li>• Machine vs Computer vs Robots <input type="checkbox"/></li> <li>• Parts of a Robot <input type="checkbox"/></li> <li>• Classification of Robots <input type="checkbox"/></li> <li>• Advantages and Disadvantages of Robot <input type="checkbox"/></li> <li>• Applications of Robotics in Agriculture, industry, defence, etc. <input type="checkbox"/></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>□ AI             <ul style="list-style-type: none"> <li>• Neural networks <input type="checkbox"/></li> <li>• Machine Learning and Deep learning <input type="checkbox"/></li> <li>• Application of AI <input type="checkbox"/></li> <li>• Artificial Intelligence and Robotics <input type="checkbox"/></li> </ul> </li> </ul>
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## IPR

<ul style="list-style-type: none"> <li>□ IPR             <ul style="list-style-type: none"> <li>• What are Intellectual Property Rights (IPR)? <input type="checkbox"/></li> <li>• Types of Intellectual Property Rights <input type="checkbox"/></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• International Agreements and Institution on IPR <input type="checkbox"/></li> <li>• IPR Regime in India <input type="checkbox"/></li> <li>• National Intellectual Property Rights Policy <input type="checkbox"/></li> </ul>
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## 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

<ul style="list-style-type: none"> <li>• Coral reefs in India <input type="checkbox"/></li> <li>• Conserving coral reefs <input type="checkbox"/></li> <li>• Mangroves <input type="checkbox"/></li> <li>• Mangroves in India <input type="checkbox"/></li> <li>• Freshwater in India <input type="checkbox"/></li> <li>• Importance of lakes <input type="checkbox"/></li> <li>• National Lake Conservation Plan <input type="checkbox"/></li> <li>• Wetlands and their importance <input type="checkbox"/></li> <li>• Ramsar Convention <input type="checkbox"/></li> <li>• Ramsar Sites <input type="checkbox"/></li> <li>• Montreux Record <input type="checkbox"/></li> <li>• Extent and distribution of wetlands in India <input type="checkbox"/></li> <li>• Conserving the wetlands of India <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>□ <b>Biodiversity Conservation</b></li> <li>• Ex-situ and in-situ conservation <input type="checkbox"/></li> <li>• Seed banks <input type="checkbox"/></li> <li>• Zoos in biodiversity conservation <input type="checkbox"/></li> <li>• Botanical gardens <input type="checkbox"/></li> <li>• Protected areas <input type="checkbox"/></li> <li>• State of protected areas in the world <input type="checkbox"/></li> <li>• UNESCO Man and the Biosphere Program (MAB) <input type="checkbox"/></li> <li>• Characteristics of biosphere reserves <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ International agreements for biodiversity conservation</li> </ul> </li> <li>• Convention on Biological Diversity <input type="checkbox"/></li> <li>• Cartagena Protocol <input type="checkbox"/></li> <li>• Nagoya Protocol <input type="checkbox"/></li> <li>• Aichi Biodiversity Targets <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Important Coastal and Marine Biodiversity Areas of India</li> </ul> </li> <li>• Important Bird Areas (IBAs) of India <input type="checkbox"/></li> <li>• Global Tiger Initiative <input type="checkbox"/></li> <li>• Project Tiger <input type="checkbox"/></li> <li>• Project Elephant <input type="checkbox"/></li> <li>• Indian Rhino Vision <input type="checkbox"/></li> <li>• Recovery Programme for Critically Endangered Species <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Use of indigenous knowledge for conserving biodiversity</li> <li>◦ Seed village</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>□ <b>Biodiversity Basics</b></li> <li>• Biodiversity <input type="checkbox"/></li> <li>• Important kinds of biodiversity <input type="checkbox"/></li> <li>• Degree of diversity in an ecosystem <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Endemic species</li> </ul> </li> <li>• Keystone species <input type="checkbox"/></li> <li>• Indicator species <input type="checkbox"/></li> <li>• Invasive species <input type="checkbox"/></li> <li>• Allopatric and sympatric speciation <input type="checkbox"/></li> <li>• Bioinformatics <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Biodiversity distribution</li> </ul> </li> <li>• Megadivers Countries <input type="checkbox"/></li> <li>• Uses and values of biodiversity <input type="checkbox"/></li> <li>• State of global biodiversity <input type="checkbox"/></li> <li>• Threats to biodiversity <input type="checkbox"/></li> <li>• Biodiversity Hotspots <input type="checkbox"/></li> <li>• Eco-regions <input type="checkbox"/></li> <li>• Role of traditional knowledge in biodiversity <input type="checkbox"/></li> <li>• Biopiracy <input type="checkbox"/></li> <li>• Extinction of species <input type="checkbox"/></li> <li>• Mass extinction <input type="checkbox"/></li> <li>• IUCN's classification scheme <input type="checkbox"/></li> <li>• IUCN Red-List of Threatened Species <input type="checkbox"/></li> <li>• Level of biodiversity in India <input type="checkbox"/></li> <li>• Biogeographical classification of India <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>□ <b>Effect of Human Activities on Environment</b></li> <li>• Effect of Modern Agriculture on Environment <input type="checkbox"/></li> <li>• Effect of Housing on Environment <input type="checkbox"/></li> <li>• Effect of Power Generation on Environment <input type="checkbox"/></li> <li>• Effect of River Valley Projects (Water Resource Projects) on Environment <input type="checkbox"/></li> <li>• Effect of Mining on Environment <input type="checkbox"/></li> <li>• Effect of Transportation Activities on Environment <input type="checkbox"/></li> <li>• Effect of Tourism on Environment <input type="checkbox"/></li> <li>□ <b>Water Resource degradation</b></li> <li>• Water Cycle (Hydrological Cycle) <input type="checkbox"/></li> </ul>

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

<ul style="list-style-type: none"> <li>• Air-borne Diseases <input type="checkbox"/></li> <li>• Toxic Substances: Toxicant, Toxicity and Toxicology <input type="checkbox"/></li> <li>• Factors affecting toxicity <input type="checkbox"/></li> <li>• Carcinogens <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Waste Management <input type="checkbox"/></li> <li>• Biodegradable Plastics <input type="checkbox"/></li> <li>• Green Train Corridors <input type="checkbox"/></li> <li>• Oil Spill <input type="checkbox"/></li> <li>• Solid Waste Management-Buffer Zone <input type="checkbox"/></li> <li>• Other News <input type="checkbox"/></li> <li>• Report of Parliamentary Committee on Forest Fires <input type="checkbox"/></li> <li>• Urban Forestry Scheme <input type="checkbox"/></li> <li>• Draft Notification to Regulate Pet Shops <input type="checkbox"/></li> <li>• Ban on Import of Animal Skin <input type="checkbox"/></li> <li>• River linking Project and Impact on Environment <input type="checkbox"/></li> <li>• Algal Bloom Issue <input type="checkbox"/></li> <li>• Illegal Salt Mining and its Impact <input type="checkbox"/></li> <li>• India's Wetland Report, 2023 <input type="checkbox"/></li> <li>• Deep Sea Mining <input type="checkbox"/></li> <li>• Mass Coral Bleaching <input type="checkbox"/></li> <li>• Ganga River Pollution <input type="checkbox"/></li> </ul>
<p><b>□ Solid Waste Management</b></p> <ul style="list-style-type: none"> <li>• Sources of Solid Waste <input type="checkbox"/></li> <li>• Effect of Solid Waste <input type="checkbox"/></li> <li>• Control Measures of Solid Waste <input type="checkbox"/></li> <li>• Solid Waste Management Rules <input type="checkbox"/></li> <li>• Hazardous Waste Management (HWM) <input type="checkbox"/></li> </ul>	<p><b>□ Environmental Impact Assessment</b></p> <ul style="list-style-type: none"> <li>• Government Body which Executes EIA <input type="checkbox"/></li> <li>• Environmental Effects Analysed under EIA <input type="checkbox"/></li> <li>• Process of EIA <input type="checkbox"/></li> <li>• EIA Ruling 1984 <input type="checkbox"/></li> </ul>
<p><b>□ Coastal Ecosystem Management</b></p> <ul style="list-style-type: none"> <li>• Mangroves <input type="checkbox"/></li> <li>• Salient features of Mangroves <input type="checkbox"/></li> <li>• Importance of Mangroves <input type="checkbox"/></li> <li>• Mangroves in India <input type="checkbox"/></li> <li>• Mangroves under threats <input type="checkbox"/></li> <li>• Legal and Regulatory Approaches for Protection <input type="checkbox"/></li> <li>• Estuaries <input type="checkbox"/></li> <li>• Importance of estuaries <input type="checkbox"/></li> <li>• Threats to estuaries <input type="checkbox"/></li> <li>• Coral Reefs <input type="checkbox"/></li> <li>• Geographical Conditions Required <input type="checkbox"/></li> <li>• Uses of coral reefs <input type="checkbox"/></li> <li>• Conservation of coral reef <input type="checkbox"/></li> <li>• Steps for Coastal Ecosystem <input type="checkbox"/></li> <li>• Management of Coastal Ecosystem <input type="checkbox"/></li> </ul>	<p><b>□ Environmental Laws</b></p> <ul style="list-style-type: none"> <li>• Environmental Laws: Provisions in the Indian Constitution towards Environmental Protection <input type="checkbox"/></li> <li>• Salient Features of Air (Prevention and Control of Pollution) Act, 1981 <input type="checkbox"/></li> <li>• Salient Features of Water (Prevention and Control of Pollution) Act, 1974 <input type="checkbox"/></li> <li>• Salient features of Forest Conservation Act, 1980 <input type="checkbox"/></li> <li>• Salient Features of Wildlife Protection Act, 1972 <input type="checkbox"/></li> <li>• Salient Features of Environment (Protection) Act, 1986 <input type="checkbox"/></li> <li>• Role of Government in Environmental Protection <input type="checkbox"/></li> </ul>
<p><b>□ Recent developments</b></p> <ul style="list-style-type: none"> <li>• Air Pollution <input type="checkbox"/></li> <li>• Report on Air Pollution <input type="checkbox"/></li> <li>• Bharat Stage Emission Standards <input type="checkbox"/></li> <li>• Polluters Pay Model <input type="checkbox"/></li> <li>• Household Air Pollution <input type="checkbox"/></li> <li>• Open Waste Burning and its Impact <input type="checkbox"/></li> <li>• Graded Response Action Plan on Pollution <input type="checkbox"/></li> <li>• UN Sets Limits on Global Airline <input type="checkbox"/></li> <li>• Emissions <input type="checkbox"/></li> </ul>	<p><b>□ Environment related Institutions and Organizations</b></p>

<ul style="list-style-type: none"> <li>• Pollution Control Boards <input type="checkbox"/></li> <li>• National Green Tribunal <input type="checkbox"/></li> <li>• Forest Survey of India <input type="checkbox"/></li> <li>• National Board for Wildlife <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Acid Rain <input type="checkbox"/></li> <li>• El Nino <input type="checkbox"/></li> <li>• La Nina <input type="checkbox"/></li> </ul>
<p>□ <b>Schemes</b></p> <ul style="list-style-type: none"> <li>• Ecomark Scheme <input type="checkbox"/></li> <li>• National Afforestation Program <input type="checkbox"/></li> <li>• National River Conservation Plan <input type="checkbox"/></li> <li>• National Mission for Clean Ganga <input type="checkbox"/></li> <li>• National Air Quality Index (AQI) <input type="checkbox"/></li> <li>• National Action Programme to Combat Desertification <input type="checkbox"/></li> <li>• UJALA Scheme <input type="checkbox"/></li> <li>• Bharat Stage Norms <input type="checkbox"/></li> <li>• FAME III <input type="checkbox"/></li> </ul>	<p>□ <b>Urbanization and climate</b></p> <ul style="list-style-type: none"> <li>• Pollution in metros and climate change <input type="checkbox"/></li> <li>• Real estate boom and environment degradation <input type="checkbox"/></li> <li>• Urban Heat Island <input type="checkbox"/></li> <li>• Polythene bags and pollution <input type="checkbox"/></li> <li>• Methane generation from waste <input type="checkbox"/></li> </ul>
<p>□ <b>International Environmental Governance</b></p> <ul style="list-style-type: none"> <li>• UNEP <input type="checkbox"/></li> <li>• UNDP, UNFCCC, UNCCD <input type="checkbox"/></li> <li>• Centre for Biological Diversity <input type="checkbox"/></li> <li>• WWF for Nature <input type="checkbox"/></li> <li>• IUCN - Red List <input type="checkbox"/></li> <li>• Birdlife International <input type="checkbox"/></li> <li>• International Conventions/Protocols &amp; their Objectives <input type="checkbox"/></li> </ul>	<p>□ <b>Impact of agriculture on climate</b></p> <ul style="list-style-type: none"> <li>• Agriculture increases Carbon Dioxide Emissions <input type="checkbox"/></li> <li>• Monoculture practice impacts biodiversity <input type="checkbox"/></li> <li>• Pollution due to use of chemical fertilizers <input type="checkbox"/></li> <li>• Soil-related effects <input type="checkbox"/></li> <li>• Fertilizer's Effect on the Environment <input type="checkbox"/></li> <li>• Impact of livestock on environment <input type="checkbox"/></li> <li>• Impact of use of pesticides on environment <input type="checkbox"/></li> <li>• Impact of GM crop on environment <input type="checkbox"/></li> <li>• Emission of Methane from agricultural practices <input type="checkbox"/></li> <li>• Sustainable Agriculture Techniques <input type="checkbox"/></li> </ul>
<p>□ <b>Basics of Climate change</b></p> <ul style="list-style-type: none"> <li>• Green House Effect and Global Warming <input type="checkbox"/></li> <li>• Global Climate Change: International Efforts to Control Global Warming or Global Climate Change <input type="checkbox"/></li> <li>• Ozone Layer Depletion or Ozone Hole <input type="checkbox"/></li> </ul>	<p>□ <b>Global Warming &amp; Health</b></p> <ul style="list-style-type: none"> <li>• Health impacts of global warming <input type="checkbox"/></li> <li>• Mosquito-borne diseases <input type="checkbox"/></li> <li>• Ozone depletion and human health <input type="checkbox"/></li> </ul>

## 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

<ul style="list-style-type: none"> <li>□ <b>Internal Security Challenges</b> <ul style="list-style-type: none"> <li>• Social Diversity as Issues of Security <input type="checkbox"/></li> <li>• Challenges from within Neighbours as Issue of Security Threat <input type="checkbox"/></li> <li>• Non-State Actors as Issue of Security Threat <input type="checkbox"/></li> <li>• Global Indices and Measurement of Vulnerability of a State Towards such Non-State Actors <input type="checkbox"/></li> <li>• Law and Order vs. Internal Security <input type="checkbox"/></li> </ul> </li> <li>□ <b>Terrorism Threat to India</b> <ul style="list-style-type: none"> <li>• Changing face of Terrorism <input type="checkbox"/></li> <li>• Terror Threats Faced by India <input type="checkbox"/></li> <li>• Broader Framework to Deal with Terrorism <input type="checkbox"/></li> <li>• Drawbacks in Intelligence Infrastructure <input type="checkbox"/></li> </ul> </li> <li>□ <b>Organized Crime</b> <ul style="list-style-type: none"> <li>• Types of Organized Crime <input type="checkbox"/></li> <li>• Problems in controlling organized crimes <input type="checkbox"/></li> <li>• Drug trafficking in India <input type="checkbox"/></li> <li>• Combating organized crimes <input type="checkbox"/></li> <li>• Linkage of Terrorism and Organized Crime in India <input type="checkbox"/></li> </ul> </li> <li>□ <b>Linkage between Development and Spread of Extremism</b> <ul style="list-style-type: none"> <li>• Stated Purpose of the Naxal Movement <input type="checkbox"/></li> <li>• Covid 19 and Naxalism <input type="checkbox"/></li> <li>• Why naxalism got huge support from common man? <input type="checkbox"/></li> <li>• Why naxalism is biggest threat to internal security? <input type="checkbox"/></li> </ul> </li> <li>□ <b>Insurgency in North-East</b> <ul style="list-style-type: none"> <li>• Issues &amp; Conflicts <input type="checkbox"/></li> <li>• Assam Insurgency <input type="checkbox"/></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Resolving the Bodo Issue <input type="checkbox"/></li> <li>□ <b>Security Challenges in Border Areas</b> <ul style="list-style-type: none"> <li>• Challenges to Border Management <input type="checkbox"/></li> <li>• Issues Faced in Border Management <input type="checkbox"/></li> <li>• Community Participation for Border Management <input type="checkbox"/></li> </ul> </li> <li>□ <b>Basics of Cyber Security</b> <ul style="list-style-type: none"> <li>• Types of Cyber Crimes <input type="checkbox"/></li> <li>• Impact and Steps needed <input type="checkbox"/></li> <li>• Recent Incident: Ransomware <input type="checkbox"/></li> <li>• India's Cyber Security Infrastructure <input type="checkbox"/></li> <li>• The National Cyber Security Policy of India 2013 <input type="checkbox"/></li> </ul> </li> <li>□ <b>Cyber Warfare</b> <ul style="list-style-type: none"> <li>• Factors Contributing/Aggravating Rise of Cyber Attack <input type="checkbox"/></li> <li>• Recent Initiatives for Tackling Cyber Warfare <input type="checkbox"/></li> </ul> </li> <li>□ <b>Social Media and Internal Security Threat</b> <ul style="list-style-type: none"> <li>• Regulation of Social Media in India for Internal Security <input type="checkbox"/></li> <li>• Artificial Intelligence <input type="checkbox"/></li> <li>• Challenges in Monitoring Social Media <input type="checkbox"/></li> <li>• Steps Needed <input type="checkbox"/></li> </ul> </li> <li>□ <b>Money Laundering</b> <ul style="list-style-type: none"> <li>• Meaning of Money Laundering <input type="checkbox"/></li> <li>• Harmful Effects of Money Laundering <input type="checkbox"/></li> <li>• Steps taken by the Government <input type="checkbox"/></li> </ul> </li> <li>□ <b>Black Money in India</b> <ul style="list-style-type: none"> <li>• Parallel Economy in India <input type="checkbox"/></li> <li>• What are the various measures taken <input type="checkbox"/></li> </ul> </li> </ul>
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<ul style="list-style-type: none"> <li>by Government to curb Black Money? <input type="checkbox"/></li> <li>• Impact of demonetisation on black money <input type="checkbox"/></li> <li>• Criticisms <input type="checkbox"/></li> <li>□ <b>Police Reforms in India</b></li> <li>• The Organisational Structure <input type="checkbox"/></li> <li>• Duties and Responsibilities of the Police <input type="checkbox"/></li> <li>• Centre's Role in Policing <input type="checkbox"/></li> <li>• Traditional Security Challenges <input type="checkbox"/></li> <li>• Non-Traditional Security Challenges (NTS) <input type="checkbox"/></li> <li>• Recommendations for Police Reforms <input type="checkbox"/></li> <li>• Police we Want in 21st Century <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>□ <b>Various Security Forces and their Mandate</b></li> <li>• Assam Rifles <input type="checkbox"/></li> <li>• Border Security Force (BSF) <input type="checkbox"/></li> <li>• Indo-Tibetan Border Police <input type="checkbox"/></li> <li>• Central Industrial Security Force (CISF) <input type="checkbox"/></li> <li>• Central Reserve Police Force <input type="checkbox"/></li> <li>• National Security Guard <input type="checkbox"/></li> <li>• Integrated theatre commands <input type="checkbox"/></li> <li>• National Maritime Security Coordinator <input type="checkbox"/></li> <li>• Issues with Paramilitary Forces <input type="checkbox"/></li> </ul>
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## CONTEMPORARY ISSUES

<ul style="list-style-type: none"> <li>□ <b>Border Security and Territorial Integrity</b></li> <li>• India-China Border Tensions in Ladakh (Galwan Valley standoff continuation)</li> <li>• India-Pakistan ceasefire agreement along the Line of Control (LoC) (February 2021)</li> <li>• Developments in the Indo-Pacific region and Quad Summit discussions</li> <li>• Demographic inversion in border areas due to illegal immigration</li> <li>□ <b>Internal Security</b></li> <li>• Naxal-Maoist Insurgency and major encounters (e.g., Bijapur attack in Chhattisgarh, April 2021)</li> <li>• Developments in Jammu &amp; Kashmir, post-Article 370 abrogation, increasing terrorist attacks eg. Reasi attack</li> <li>• Rising communal tensions and measures to address them</li> <li>• Nexus between drug smuggling and terrorist organisations</li> <li>• Geospatial data and internal security</li> <li>• Anti-maritime piracy act</li> </ul>	<ul style="list-style-type: none"> <li>□ <b>Cybersecurity</b></li> <li>• Rising cyberattacks on Indian infrastructure and enterprises</li> <li>• Government initiatives on cybersecurity, including the National Cyber Security Strategy 2021</li> <li>• Pegasus spyware controversy and its implications</li> <li>• Ransomware-Akira</li> <li>• Threats posed by deepfakes to social trust</li> <li>□ <b>Terrorism</b></li> <li>• Counter-terrorism measures and policies</li> <li>• Recent terrorist attacks and India's responses</li> <li>• Role of international organizations like FATF in curbing terrorism financing</li> <li>□ <b>Defense Technology and Modernization</b></li> <li>• Indigenization of defense production and Atmanirbhar Bharat in defense</li> <li>• Development and induction of new defense systems like the S-400 Triumf, Tejas Mk1A, and various indigenous missiles</li> </ul>
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- 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

- 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)
- 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 Turkiye'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?

<ul style="list-style-type: none"> <li>• Components of Emotional Competencies <input type="checkbox"/></li> <li>• The Self-Awareness Cluster: Understanding Feelings and Accurate Self-Assessment <input type="checkbox"/></li> <li>• The Self-Management Cluster: Managing Internal States, Impulses, and Resources <input type="checkbox"/></li> <li>• The Social Awareness Cluster: Reading People and Groups Accurately <input type="checkbox"/></li> <li>• The Relationship Management Cluster: Inducing Desirable Responses in Others <input type="checkbox"/></li> <li>• Importance of Emotional Intelligence at Workplace <input type="checkbox"/></li> <li>• Importance of Emotional Intelligence in Civil Services <input type="checkbox"/></li> </ul>	<ul style="list-style-type: none"> <li>• Information Sharing, Transparency and Right to Information <input type="checkbox"/></li> <li>• Flaws in RTI and recommendations for improvement <input type="checkbox"/></li> <li>• Importance of vigilant citizens <input type="checkbox"/></li> <li>• Information sharing and participation <input type="checkbox"/></li> <li>• Importance of Code of ethics <input type="checkbox"/></li> <li>• Code of Ethics in Professions <input type="checkbox"/></li> <li>• Code of Conduct for Ministers; for Legislators; for Civil Servants; for Regulators and for the Judiciary <input type="checkbox"/></li> <li>• Components of a Citizen Charter <input type="checkbox"/></li> <li>• Steps in formulation of a Citizen's Charter <input type="checkbox"/></li> <li>• Concept of Work Culture <input type="checkbox"/></li> <li>• The Indian Approach to Work <input type="checkbox"/></li> <li>• Methods of improving Work Culture <input type="checkbox"/></li> <li>• Quality of Service Delivery <input type="checkbox"/></li> <li>• Utilisation of Public Funds <input type="checkbox"/></li> <li>• Problems in Fund Release and Utilization <input type="checkbox"/></li> <li>• Parliamentary Control on Expenditure <input type="checkbox"/></li> <li>• Corruption in India: extent, dimension, and response <input type="checkbox"/></li> <li>• Corruption as a Social Evil <input type="checkbox"/></li> <li>• Probity in public life Corrupt practice among civil servants and official misconduct <input type="checkbox"/></li> <li>• Exposing corruption: Civil Society initiatives and role of Whistleblower Act <input type="checkbox"/></li> <li>• Tackling corruption: Role of government and institutions of governance <input type="checkbox"/></li> <li>• Controlling corruption: Various approaches and efficacy <input type="checkbox"/></li> </ul>
<p><b>□ Values &amp; Ethics in Public Administration</b></p> <ul style="list-style-type: none"> <li>• Ethical Concerns in Public Institution <input type="checkbox"/></li> <li>• Ethical Concerns in Private Institutions <input type="checkbox"/></li> <li>• Ethical Dilemmas in Public and Private Institutions <input type="checkbox"/></li> <li>• Laws, Rules and Regulations as Source of Ethical Guidance <input type="checkbox"/></li> <li>• Accountability and Ethical Governance Strengthening of Ethical and Moral Values in Governance <input type="checkbox"/></li> <li>• Moral Judgements in International Relations <input type="checkbox"/></li> <li>• Ethical Relation in Funding International Relations and concept of Moral Responsibility <input type="checkbox"/></li> <li>• Ethics in working of international organizations <input type="checkbox"/></li> <li>• What is Corporate Governance? <input type="checkbox"/></li> <li>• Models of Corporate Social Responsibility <input type="checkbox"/></li> <li>• Steps taken by World Bank for Good Corporate Governance <input type="checkbox"/></li> <li>• Norms for Corporate Government in India <input type="checkbox"/></li> <li>• Concept of business ethics <input type="checkbox"/></li> </ul>	<p><b>□ Applied Ethics</b></p> <ul style="list-style-type: none"> <li>• Euthanasia Issue <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Social and Ethical Angle <input type="checkbox"/></li> <li>◦ Different arguments related to Euthanasia <input type="checkbox"/></li> <li>◦ Conclusion <input type="checkbox"/></li> </ul> </li> <li>• Surrogacy <input type="checkbox"/> <ul style="list-style-type: none"> <li>◦ Case study <input type="checkbox"/></li> </ul> </li> </ul>
<p><b>□ Probity in Governance</b></p> <ul style="list-style-type: none"> <li>• Concept of Public Service <input type="checkbox"/></li> <li>• Philosophical basis of Governance and Probity <input type="checkbox"/></li> </ul>	

○ Issues	<input type="checkbox"/>	○ Conclusion	<input type="checkbox"/>
○ Ethical Issues	<input type="checkbox"/>	● Refugees & Ethics	<input type="checkbox"/>
○ Concept of ethical surrogacy	<input type="checkbox"/>	○ Why Migration occurs?	<input type="checkbox"/>
○ Conclusion	<input type="checkbox"/>	○ Case study of Syria	<input type="checkbox"/>
● Ethics & Sports	<input type="checkbox"/>	○ Dilemmas related to Refugee crisis	<input type="checkbox"/>
○ Importance of sports	<input type="checkbox"/>	○ Steps needed	<input type="checkbox"/>
○ Ethical Issue: Need for sportsmanship	<input type="checkbox"/>	● Ethical Dilemmas of Globalization	<input type="checkbox"/>
○ Ethical Issue: Doping	<input type="checkbox"/>	○ What is Globalization	<input type="checkbox"/>
○ Ethical Issue: Discrimination and Sexual Harassment	<input type="checkbox"/>	○ Free trade in Globalized world	<input type="checkbox"/>
○ Ethical Issue: Sports as a Business	<input type="checkbox"/>	○ Issues with Newly developed trade patterns	<input type="checkbox"/>
○ Steps needed	<input type="checkbox"/>	○ Criticism against global regime	<input type="checkbox"/>
● Media Ethics	<input type="checkbox"/>	○ Way forward	<input type="checkbox"/>
○ Role of Media	<input type="checkbox"/>	● Ethics of War	<input type="checkbox"/>
○ Ethical Issues faced by Reporters	<input type="checkbox"/>	○ Ethics and War theories	<input type="checkbox"/>
○ Trial by Media	<input type="checkbox"/>	○ Evils of war	<input type="checkbox"/>
○ Media Prejudice	<input type="checkbox"/>	● Environmental Ethics	<input type="checkbox"/>
○ Ethical Dilemma faced by Photo Journalists	<input type="checkbox"/>	○ Linkage between Ethics and Environment	<input type="checkbox"/>
○ Digital Media Ethics	<input type="checkbox"/>	○ Theories related to Environmental ethics	<input type="checkbox"/>
○ Paid News	<input type="checkbox"/>	○ Role of individual	<input type="checkbox"/>
● Business Ethics	<input type="checkbox"/>	● Ethical Issues in Biotechnology	<input type="checkbox"/>
○ Principles of Business Ethics	<input type="checkbox"/>	○ Issues related to Stem Cell	<input type="checkbox"/>
○ Dimensions related to Business Ethics in Organisation	<input type="checkbox"/>	○ Issues related to cloning	<input type="checkbox"/>
○ Business Ethics and Corporate Governance	<input type="checkbox"/>	○ Issues related to designer babies	<input type="checkbox"/>
○ Journey from Philanthropy to Corporate Social Responsibility	<input type="checkbox"/>	● Animal Ethics	<input type="checkbox"/>
○ Issues related to Corporate Social Responsibility	<input type="checkbox"/>	○ Introduction	<input type="checkbox"/>
○ Issues in implementation of Business Ethics	<input type="checkbox"/>	○ Issues of conducting research on animals	<input type="checkbox"/>
● Ethics Related to Economic Sanctions	<input type="checkbox"/>	○ Issue of keeping animals as pets	<input type="checkbox"/>
○ Why Economic Sanctions placed?	<input type="checkbox"/>	○ Issue of Cruelty against animals	<input type="checkbox"/>
○ Ethics in Economic Sanctions	<input type="checkbox"/>	○ Conclusion	<input type="checkbox"/>
		● Food Adulteration and Ethics	<input type="checkbox"/>
		○ Ethical dimension	<input type="checkbox"/>
		○ Ethical issue related to food additive	<input type="checkbox"/>
		● Abortion: Ethical or Unethical	<input type="checkbox"/>

<ul style="list-style-type: none"> <li>○ Law of abortion in India <input type="checkbox"/></li> <li>○ Recent Supreme Court verdict <input type="checkbox"/></li> <li>○ Ethical Issue: Health of Women vs fetus <input type="checkbox"/></li> <li>○ Justification for abortion <input type="checkbox"/></li> <li>○ Argument against abortion <input type="checkbox"/></li> <li>○ Abortion and women rights <input type="checkbox"/></li> <li>○ Abortion and father rights <input type="checkbox"/></li> <li>● Honour Killing <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Honour killing is unethical <input type="checkbox"/></li> <li>○ Role of khap pachayat <input type="checkbox"/></li> </ul> </li> <li>● Marital Rape <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Why Marital Rape should not be criminalized? <input type="checkbox"/></li> <li>○ Why Marital Rape should be criminalized? <input type="checkbox"/></li> <li>○ What are the hurdles? <input type="checkbox"/></li> </ul> </li> <li>● Ethical Issue Involved in Child Labour <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Rights of children <input type="checkbox"/></li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>○ Child labour and company <input type="checkbox"/></li> <li>○ Solution <input type="checkbox"/></li> <li>○ Role of consumer <input type="checkbox"/></li> <li>● Ethical Issue Involved in Treating Juvenile as Adult <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Juvenile justice system <input type="checkbox"/></li> <li>○ Negative implications <input type="checkbox"/></li> </ul> </li> <li>● Ethics and Old Age <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Ethical issues <input type="checkbox"/></li> <li>○ Issues faced <input type="checkbox"/></li> <li>○ Importance of autonomy <input type="checkbox"/></li> </ul> </li> <li>● Ethics in Public and Private Relationships <input type="checkbox"/> <ul style="list-style-type: none"> <li>○ Ethical values in Private Relationships <input type="checkbox"/></li> <li>○ Ethical principles in Public relationships <input type="checkbox"/></li> <li>○ Linkage between Private relationships and Public Relationships <input type="checkbox"/></li> </ul> </li> </ul>
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**CONTEMPORARY ISSUES**

<ul style="list-style-type: none"> <li>● Ethics Of Elections</li> <li>● Ethics in Digital Public Infrastructure</li> <li>● Drones and Ethics</li> <li>● Ethics and Artificial Intelligence</li> <li>● Euthanasia</li> <li>● Social Media Influencing</li> <li>● Parliamentary Privileges and Ethics</li> <li>● Judicial Ethics- Judicial Majoritarianism</li> <li>● Internet Shutdowns and Ethics</li> <li>● Ethics in IR: Trade and War</li> <li>● Ethics in IR: Climate Change and Climate Finance</li> <li>● Societal Ethics: Manual Scavenging</li> <li>● Medical Ethics: Organ Transplant</li> <li>● Ethics of War</li> <li>● Ethics of Arbitration</li> <li>● AI Ethics in Healthcare</li> </ul>	<ul style="list-style-type: none"> <li>● Ethics of Animal Rights</li> <li>● Ethics of Gig Economy</li> <li>● Weaponisation of Space</li> <li>● Ethics of Migration</li> <li>● Prisons and Ethics</li> <li>● Judicial Ethics: Recusal by Judges</li> <li>● Technological Ethics: Facial Recognition Technology</li> <li>● Technological Ethics: Crypto Mining</li> <li>● Clinical Trials</li> <li>● Child Artists and Ethics</li> <li>● Ethics and Law on Sedition</li> <li>● Ethics and Universal Declaration of Human Rights</li> <li>● Environmental Ethics: Cloud Seeding</li> <li>● Environmental Ethics: Climate Change and Food Choices</li> <li>● Modern Slavery</li> </ul>
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- 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 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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### TOP 100 ALL INDIA RANKING CSE 2023

