

GS SCORE

An Institute for Civil Services

BHUBANESWAR

OPSC-OCS

SYLLABUS

EXPLAINED

MICRO TOPICS LISTING

PRE *cum* MAINS



UPDATED
for

OPSC-OCS 2023-24

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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

□ **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

□ **Harshavardana**

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

□ **India's Contacts with Rest of Asia**

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

□ **Sangam Period (South Indian Dynasties)**

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

MEDIEVAL HISTORY

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

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

- Pallavas
- Chalukyas
- Rashtrakutas
- Indian Feudalism
- Administration
- Society and Culture
- Economy and the decline of Trade

□ **Cholas and Other South Indian Kingdoms**

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

□ **Early Muslim Invasions**

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

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

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

□ **Vijayanagar Empire**

- Sources
- Political History
- Administration
- Social and Cultural Life
- Economic Condition
- Conflicts with the Bahmani Kingdom

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

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

□ **Struggle for Empire in North-India (Afghans, Rajputs and Mughals)**

- Struggle between Ibrahim Lodi and Babur, the Battle of Panipat
- Babur's problems after the Battle of Panipat
- Struggle with Rana Sanga
- Problems of the Eastern Areas and the Afghans
- Babur's Contribution and Significance of his Advent into India

□ **Struggle for Empire in North India**

- Humayun and the Afghans
- Early Activities of Humayun, and the Tussle with Bahadur Shah
- The Gujarat Campaign
- The Bengal Campaign, and Struggle with Sher Khan

□ **The Establishment of the North Indian Empire**

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

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

- Conflict with the Afghans - Hemu
- Struggle with the Nobility
- Regency; Revolt of Uzbek Nobles
- Early Expansion of the Empire (1560-76) - Malwa, Garh-Katanga, Rajasthan, Gujarat, Eastern India

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

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

MODERN HISTORY

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

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

INDIAN CULTURE

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

□ 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

HISTORY OF ODISHA

□ Heritage and Culture

- Temple Architecture of Odisha
 - Jagannath temple architecture
 - Lingaraj temple architecture.
- Kalinga Style of Architecture.
- Socio-cultural development in Odisha.
- Bhakti movement in Odisha
 - Its impact of society
 - Contribution of mahima

Gosain in Bhakti movement of Odisha

- Contribution of srichaitary a Bhakti movement of odisha
- Evolution and growth of Odia language
- Evolution and growth of Odia literature
- Regional tradition of Odisha festivals

□ **History of Odisha**

- Kalinga war and its significance
- Dynastic history of Odisha
 - Mahameghavan kharvel
 - The Bhaumakarns
 - The somavamsis
 - The Gangas
 - The Gajapatis

□ **Early resistance movement in Odisha**

- Paik rebellion
 - Causes
 - Buxi Jagabndhu rebellion
 - Nature of Paik rebellion

- Vir Surendra sai role in revolt of 1857
- Revolt of 1857 in Odisha
- Creation of Odisha province
- Freedom movement in Odisha
 - Non co-operation movement
 - Civil disobedience movement
 - Quit India movement
- Praja mandal movent in Odisha
 - Emergence of native states
 - Factors responsible for the movement
 - Movement at different places
- Integration of Princely states in Odisha
- Social bases of odia nationalism
- Social reform movement in Odisha

CONTEMPORARY ISSUES

- Understanding Socio-cultural patterns and practices of Pre-Historic- Paintings and Potteries
- Neolithic Art- A peek into early art forms and practices
- Chalcolithic Arts- Potteries and cultural practices
- Sculptures and Images/Representative art: Decoding Socio-cultural aspects of Indus valley Civilization.
- Seals of Indus valleys: Prospects to contrast and analyze contemporary civilization
- Literary excellence and Significance- Shruti, Smiriti and Brahmanas
- Why Vedic age is different from Indus valley? Understanding the gap through sources
- Upanishads: Highest point of Indian philosophical thoughts
- Rise of Heterodox Sects; Buddhism, Jainism and Other Ajivikas
- Revival of Hinduism and new elements and cults, Tantrism
- The Golden age of Gupta Period- myth, legends and reality
- Reconstructing Gupta's and Post Gupta and their cultural aspects through pillars, inscriptions and numismatics
- Early Medieval India: Change and Continuity, cultural features.
- Contribution of regional states in Architectural development and Cultural enrichment
- Bhakti & Sufism in India: strengthening Social-Cultural realm
- What made Mughals great- analysis through lens of culture?



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

● 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

● Origin of Life

● 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"/>
■ Volcano		◆ 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"/>	■ Distribution of Continents & Oceans	
◆ 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	
◆ Phacoliths	<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"/>
● Tsunami		● 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"/>
■ Geomorphic Processes		○ 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"/>
■ Landforms and their Evolution		◆ 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 or Destructional	<input type="checkbox"/>	◆ Braided Channels	<input type="checkbox"/>
○ Depositional or Constructional	<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"/>	◆ Pools-Swallow Hole, Valley Sinks (Uvalas), Sinkholes, Collapse sinks (Dolines), Lapies, 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 Till	<input type="checkbox"/>
◆ Overland Flow – Sheet	<input type="checkbox"/>	◆ Moraines	<input type="checkbox"/>
◆ Linear Flow – Streams	<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"/>		

<ul style="list-style-type: none"> • Waves and Currents <ul style="list-style-type: none"> ◦ High Rocky Coasts & Low Sedimentary Coasts <input type="checkbox"/> ◦ Erosional Landforms <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Clifs <input type="checkbox"/> ◆ Terraces <input type="checkbox"/> ◆ Caves <input type="checkbox"/> ◆ Stacks <input type="checkbox"/> ◦ Depositional Landforms <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Beaches and Dunes <input type="checkbox"/> ◆ Bars Barriers Spits <input type="checkbox"/> • Weathering <ul style="list-style-type: none"> ◦ Weather over Earth Materials <input type="checkbox"/> ◦ Factors <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Geological <input type="checkbox"/> ◆ Climatic <input type="checkbox"/> ◆ Topographic <input type="checkbox"/> ◆ Vegetative <input type="checkbox"/> ◦ Major Processes <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Chemical <input type="checkbox"/> ◆ Physical or Mechanical <input type="checkbox"/> ◆ Biological <input type="checkbox"/> ◦ Chemical – Forces Chemical Action <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Solution <input type="checkbox"/> ◆ Carbonation <input type="checkbox"/> ◆ Hydration <input type="checkbox"/> ◆ Oxidation & Reduction <input type="checkbox"/> ◦ Physical Forces Gravitational, Expansion, Water Pressure <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Unloading & Expansion <input type="checkbox"/> ◆ Temperature changes and Expansion <input type="checkbox"/> ◆ Freezing, Thawing, & Frost Wedging <input type="checkbox"/> ◆ Salt Weathering <input type="checkbox"/> ◦ Biological Weathering <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Burrowing <input type="checkbox"/> ◆ Wedging <input type="checkbox"/> ◆ Plant Roots <input type="checkbox"/> ◆ Effects of Weathering <input type="checkbox"/> ◆ Exfoliation (Flaking) – Exfoliation Domes, Tors <input type="checkbox"/> ◦ Significance of Weathering <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Soil Formation <input type="checkbox"/> 	<ul style="list-style-type: none"> ◆ Biomes and Biodiversity <input type="checkbox"/> ◆ Leaching/Enrichment <input type="checkbox"/> ◦ Mass Movements <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Activating causes <input type="checkbox"/> ◆ Forms of movement – Heave Flow Slide <input type="checkbox"/> ◆ 3 major Groups – Slow Movement, Rapid Movements, Land Slides <input type="checkbox"/> ■ Landforms across the world: <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Rivers and lakes <input type="checkbox"/> ■ Mountain & Peaks <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Fold Mountain <input type="checkbox"/> ◦ Block Mountain <input type="checkbox"/> ◦ Volcanic mountains <input type="checkbox"/> ■ Plateaus <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Plateau Formation process <input type="checkbox"/> ◦ Plateau Types <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Dissected plateau <input type="checkbox"/> ◆ Volcanic plateau <input type="checkbox"/> ◦ Economic significance of plateau <input type="checkbox"/> ◦ Major plateau of the world <input type="checkbox"/> □ Climatology <input type="checkbox"/> <ul style="list-style-type: none"> ■ Composition of Atmosphere <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Gases <input type="checkbox"/> ◦ Water Vapour <input type="checkbox"/> ◦ Dust Particles <input type="checkbox"/> ■ Structure <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Exosphere <input type="checkbox"/> ◦ Thermosphere <input type="checkbox"/> ◦ Mesosphere <input type="checkbox"/> ◦ Stratosphere <input type="checkbox"/> ◦ Troposphere <input type="checkbox"/> ◦ Altitude vs Temperature <input type="checkbox"/> ■ Solar Radiation Heat Balance Temperature <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Insolation <input type="checkbox"/> ◦ Aphelion and Perihelion <input type="checkbox"/> ◦ Variability of Insolation at the surface of the Earth <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Day Season Year <input type="checkbox"/> ◆ Rotation on Axis, Angle of Inclination of sun rays, Length of the day <input type="checkbox"/>
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- ◆ Transparency of Atmosphere, configuration of land in terms of its aspect

■ Heat Balance

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

■ Temperature(T)

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

■ Atmospheric Circulation and Weather Systems

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

■ General Circulation of the Atmosphere – Pattern of Planetary Winds

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

- Distribution of continents & Oceans
- Rotation of the Earth

■ Circulation

- Simplified Global Circulation – Hadley Cell, Ferrel Cell, Polar cell
- Seasonal Wind
- Local Wind
- Land and Sea Breezes
- Mountain and Valley winds
- AIR MASS – fronts
- Extra Tropical Cyclone
- Thunderstorms
- Tornadoes

■ Water in the Atmosphere

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

<ul style="list-style-type: none"> ■ Tropical Cyclone <ul style="list-style-type: none"> ○ Conditions required for formation <input type="checkbox"/> ◆ Tropical Cyclone <input type="checkbox"/> ○ Convective cyclogenesis (Development of Tropical Cyclone) <input type="checkbox"/> ○ Path of Tropical Cyclone <input type="checkbox"/> ○ Damage associated with Cyclone <input type="checkbox"/> ○ Arabian Sea Cyclone <input type="checkbox"/> ○ Naming of Tropical Cyclone <input type="checkbox"/> ○ Early warning system for tropical Cyclone <input type="checkbox"/> ■ Jet Streams <ul style="list-style-type: none"> ○ Features of Jet streams <input type="checkbox"/> ○ Types <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Permanent <input type="checkbox"/> ◆ Temporary <input type="checkbox"/> ○ Influence of Jet streams on weather <input type="checkbox"/> ○ Jet streams and aviation <input type="checkbox"/> ■ Temperate Cyclones <ul style="list-style-type: none"> ○ Air masses <input type="checkbox"/> ○ Fronts <input type="checkbox"/> ○ Origin and development of Temperate Cyclone <input type="checkbox"/> ○ Comparison between Tropical and Temperate Cyclone <input type="checkbox"/> ■ Polar Vortex <ul style="list-style-type: none"> ○ Polar vortex details <input type="checkbox"/> ○ Polar vortex and Ozone depletion <input type="checkbox"/> ■ El Nino and La Nina <ul style="list-style-type: none"> ○ ENSO <input type="checkbox"/> ○ Indian Ocean dipole effect <input type="checkbox"/> ○ Effect on regional and world climate <input type="checkbox"/> ○ Effect of these events on Indian Monsoon <input type="checkbox"/> ■ World Climate <ul style="list-style-type: none"> ○ The Hot, Wet Equatorial Climate <input type="checkbox"/> ○ The Tropical Monsoon and Tropical Marine Climates <input type="checkbox"/> ○ The Savanna or Sudan Climate <input type="checkbox"/> ○ The Hot Desert and Mid-Latitude <input type="checkbox"/> ○ Desert Climates <input type="checkbox"/> 	<ul style="list-style-type: none"> ○ The Warm Temperate Western Margin (Mediterranean) Climate <input type="checkbox"/> ○ The Temperate Continental (Steppe) Climate <input type="checkbox"/> ○ The Warm Temperate Eastern Margin (China Type) Climate <input type="checkbox"/> ○ The Cool Temperate Western Margin (British Type) Climate <input type="checkbox"/> ○ The Cool Temperate Continental (Siberian) Climate <input type="checkbox"/> ○ The Cool Temperate Eastern Margin (Laurentian) Climate <input type="checkbox"/> ○ The Arctic or Polar Climate <input type="checkbox"/> <ul style="list-style-type: none"> □ Oceanography <ul style="list-style-type: none"> ■ Water on the Surface of the Earth <ul style="list-style-type: none"> ○ Hydrological Cycle <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Component <input type="checkbox"/> ◆ Processes <input type="checkbox"/> ■ Oceans <ul style="list-style-type: none"> ○ Relief of the Ocean floor <input type="checkbox"/> ○ 4 divisions of the ocean floor <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Continental Shelf <input type="checkbox"/> ◆ Continental Slope <input type="checkbox"/> ◆ Deep sea plain <input type="checkbox"/> ◆ Oceanic deep and Trenches <input type="checkbox"/> ○ Minor relief features <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Mid oceanic ridges <input type="checkbox"/> ◆ Seamount <input type="checkbox"/> ◆ Submarine canyons <input type="checkbox"/> ◆ Guy outs <input type="checkbox"/> ◆ Atoll <input type="checkbox"/> ■ Temperature of the Ocean Water <ul style="list-style-type: none"> ○ Vertical <input type="checkbox"/> ○ Spatial <input type="checkbox"/> ○ Factors affecting Temperature distribution <input type="checkbox"/> ○ Horizontal & Vertical Distribution <input type="checkbox"/> <ul style="list-style-type: none"> ◆ Thermocline <input type="checkbox"/> ◆ 3 layers <input type="checkbox"/> ■ Salinity of the Ocean Water <ul style="list-style-type: none"> ○ Factors affecting salinity <input type="checkbox"/> ○ Vertical Distribution of salinity <input type="checkbox"/> ○ Density of Ocean Waters <input type="checkbox"/> ■ Movements of ocean Water
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- Factors influencing Movement
- Motion – Horizontal & Vertical Currents
- Waves
 - ◆ Motion of waves and water molecules
 - ◆ Characteristics of Wave
- Relation between Gravitational Forces and Tides
 - ◆ Tidal currents
 - ◆ Types of Tides
 - ◆ Based on Frequency
 - ◆ Based on SME position
- Importance of Tides
- **Ocean Currents**
 - Influenced by 2 forces
 - Primary Force that initiates the movement
 - Secondary force that influence the currents to flow
 - Characteristic
 - Types of ocean curenets
 - ◆ Surface currents & Deep watercurrents based on Depth
 - ◆ Cold and Warm Currents based on Temperature
 - Major Ocean currents of the World
 - Effects of Ocean Currents
 - Desert formation and Ocean currents
 - Atlantic Meridional Overturning Circulation
- **Resources from the Ocean**
 - Ocean deposits
 - ◆ Terrigenous Deposits
 - ◆ Pelagic deposits
 - Mineral resources on deep sea floor
 - Energy resources
 - Biotic resources
 - Deep ocean mission
 - UNCLOS
 - ◆ Territorial Waters
 - ◆ Contiguous Zone
 - ◆ Exclusive Economic Zone
 - ◆ High Seas

□ **Water Resource**

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

□ **Biogeography**

■ **Soil**

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

■ **Vegetation Resources**

- Types of Natural Vegetation
- Forests
 - Significance of forests
 - ◆ Economic significance
 - ◆ Ecological significance
 - ◆ Cultural significance
 - Factors of forest development
 - Extent of forest cover
 - Classification of forests
 - ◆ Grasslands
 - ◆ Desert vegetation
 - ◆ Tundra Vegetation
 - Economic utilization of forests
 - Deforestation
 - ◆ Deforestation in tropical forests

- ◆ Deforestation in temperate forests
- ◆ Rate and extent of deforestation
- ◆ Causes and factors of deforestation: Immediate causes of deforestation
- ◆ Indirect deforestation
- ◆ Underlying causes of deforestation
- Conservation of forests
 - ◆ Forest conservation strategies

- ◆ Reforestation
- ◆ Monoculture plantation
- ◆ Afforestation
- Types of forestry
 - ◆ Social forestry
 - ◆ Agro-forestry
 - ◆ Miyawaki Method

PHYSICAL GEOGRAPHY OF INDIA

□ Physiography of India

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

□ Drainage System

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

□ Climate

- Factors influencing the climate of India
- Monsoon

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

□ Soils in India

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

□ Natural Vegetation

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

HUMAN GEOGRAPHY

□ Demography

- Concept of Human Resources

- Population Distribution
- Factors of Population Distribution

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

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	<input type="checkbox"/>	● Distribution, production and international trade of Metallic minerals:	<input type="checkbox"/>
◆ Production pattern	<input type="checkbox"/>	Ferrous metals: Iron ore	
◆ International trade	<input type="checkbox"/>	● Ferro-alloys and non-ferrous	<input type="checkbox"/>
○ Fibre Crops	<input type="checkbox"/>	● Manganese	<input type="checkbox"/>
◆ Cotton	<input type="checkbox"/>	● Chromium	<input type="checkbox"/>
○ Varieties of cotton	<input type="checkbox"/>	● Nickel	<input type="checkbox"/>
○ Conditions of growth	<input type="checkbox"/>	● Tungsten	<input type="checkbox"/>
○ Production pattern	<input type="checkbox"/>	● Antimony	<input type="checkbox"/>
○ International trade	<input type="checkbox"/>	● Copper	<input type="checkbox"/>
◆ Jute	<input type="checkbox"/>	● Bauxite and Aluminium	<input type="checkbox"/>
○ Conditions of growth	<input type="checkbox"/>	● Zinc; Lead	<input type="checkbox"/>
○ Production pattern	<input type="checkbox"/>	● Tin	<input type="checkbox"/>
○ International trade	<input type="checkbox"/>	● Precious metals: Gold	<input type="checkbox"/>
○ Substitutes of Jute: Flax, Hemp	<input type="checkbox"/>	● Silver	<input type="checkbox"/>
○ Abaca, Henequeno	<input type="checkbox"/>	● Platinum	<input type="checkbox"/>
○ Sisal	<input type="checkbox"/>	● Mineral chemicals	<input type="checkbox"/>
◆ Raw Silk	<input type="checkbox"/>	● Mica	<input type="checkbox"/>
○ Production pattern	<input type="checkbox"/>	● Potash	<input type="checkbox"/>
○ International trade	<input type="checkbox"/>	● Phosphate	<input type="checkbox"/>
◆ Natural Rubber	<input type="checkbox"/>	● Nitrates	<input type="checkbox"/>
◆ Other sources of rubber	<input type="checkbox"/>	● Sulphur	<input type="checkbox"/>
◆ Plantations in South-east Asia	<input type="checkbox"/>	● Conservation of mineral resources	<input type="checkbox"/>
◆ Production pattern	<input type="checkbox"/>	□ Energy resources	
◆ International trade	<input type="checkbox"/>	● Classification of energy	<input type="checkbox"/>
◆ Sugarcane	<input type="checkbox"/>	● Production of conventional energy	<input type="checkbox"/>
◆ Conditions of growth	<input type="checkbox"/>	● General trends of energy production and consumption	<input type="checkbox"/>
◆ Production pattern	<input type="checkbox"/>	● Reserves and sources of energy	<input type="checkbox"/>
◆ International trade	<input type="checkbox"/>	● Coal	<input type="checkbox"/>
◆ Sugarbeet	<input type="checkbox"/>	● Nature and origin of coal	<input type="checkbox"/>
◆ Conditions of growth	<input type="checkbox"/>	● Constituents and kinds of coal	<input type="checkbox"/>
◆ Production pattern	<input type="checkbox"/>	● Coal fields and coal production	<input type="checkbox"/>
◆ Sugar industry	<input type="checkbox"/>	● By products of coal	<input type="checkbox"/>
◆ Sugar consumption	<input type="checkbox"/>	● Conservation of Coal	<input type="checkbox"/>
◆ International trade	<input type="checkbox"/>	● Petroleum	<input type="checkbox"/>
□ Mineral resource		● Nature and properties of petroleum	<input type="checkbox"/>
● Types of minerals	<input type="checkbox"/>	● Origin and recovery	<input type="checkbox"/>
● Metallic minerals	<input type="checkbox"/>	● Exploration	<input type="checkbox"/>
● Non-metallic mineral	<input type="checkbox"/>	● Petroleum refining	<input type="checkbox"/>
● Distribution of minerals and mining regions	<input type="checkbox"/>		

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

GEOGRAPHY OF ODISHA

- **Odisha's natural resources**
 - Water
 - Forests
 - Minerals
- **Physio geography of Odisha**
 - Coastal plain
 - Middle mountainous region
 - Rolling upland
 - The river valley
 - The subdued Plateaus
- **Riverine system of Odisha**
 - River from chhotanagpur plateau
 - The Subernekhha
 - The Brahmani

- **River from Amarkantak Plateau**
 - The Mahanadi
- **River from Keonjhar Plateau**
 - The Baitarni
- **Rivers originate from the eastern slopes of the eastern Ghats**
 - The Budhabalanga
 - The sandhi
 - The Rushikulaya
- **River southern & south-western parts of Odisha**
 - The Bahuda
 - The vamsa
 - The Nagavali

- Salient features of society of Odisha and Diversity of Odisha
- Effects of Globalisation on society of Odisha.

- Distribution and Growth of tribes and tribal population in Odisha
- Urbanisation in Odisha
 - Growth of urban pollution
 - Urban centres in Odisha

CONTEMPORARY ISSUES

- Eleventh Agriculture Census (2021-22)
- Issues Related To Agriculture Produce Market Committee (APMC)
- New White Revolution: Need, Scope & Challenges
- The Western Indian Ocean Region and The Coordinated Fight Against Pollution
- Geopolitics of Natural Resources: Spatial Analysis
- Depletion of Natural Resources versus Economic Growth
- Renewable Energy and Women Empowerment
- Does Access to Energy Causes Human Development
- Potential of nuclear energy to reduce CO2 Emissions
- The Indian automotive industry: From resilience to resurgence?
- Role of Industrial Development in minimizing regional inequalities
- Impact of 4th Industrial Revolution on Global Manufacturing Sector
- Demographic Transition: Contemporary look at the model
- Demographic Window of Opportunities
- Astropolitics : Its growing significance
- Impact of Rural-Urban Migration on the resources at the source and destination region.
- Global Population Ageing - Causes & Consequences
- Time to prepare to forecast and try to manage globally disruptive volcanic eruptions
- Climate change & impact on the structure of Earth’s atmosphere
- Impact of marine heatwaves in Indian Ocean on India’s monsoon patterns
- National Inter-linking of rivers & Issues associated with it
- Evergreen Revolution for Sustainable Livelihood
- Earth’s inner core may have started to spin in opposite direction
- Psyche mission of NASA
- Turkey Earthquake: Satellite Images Show Over 300-km-long Crack in Earth’s Surface
- Sudden Stratospheric Warming and Polar Vortex
- Increased sea surface temperature affecting Indian monsoon: Study
- More Frequent European Heat Waves Linked to Changes in Jet Stream
- Polar Masses and their influence on regional climate
- Salient features of the cyclonic disturbances over the North Indian Ocean during 2022
- Fewer cyclones in the Bay of Bengal but frequency increased in the Arabian Sea
- CLIMATE CHANGE: The Collapse of a Major Atlantic Current Would Cause Worldwide Disasters
- The Effect of Ocean Salinity on Climate and Its Implications for Earth’s Habitability
- Impact of IOD on Indian southwest monsoon
- The Arctic and Antarctic saw record warmth and ice melt in 2022

- Mission critical: How Africa can profit from its mineral boom.
- Indus Waters Treaty: Demands for its renewal are not new, but what has changed now?
- El Nino and La Nina effect: Impact on weather pattern of the World
- 15-Minute Cities and its significance in Urban Air Pollution
- Indian blue economy is thriving but country needs to be careful about marine litter
- Enhanced phytoplankton bloom triggered by atmospheric high-pressure systems over the Northern Arabian Sea
- Black soil in red: Climate change threatens world's food basket
- Palm oil in India: Rapid growth and competing health claims
- Why India doesn't need palm oil but its greener alternatives
- Wheat ban by India
- Climate Change Is Affecting Tea Farming In India And How Carbon Credit Markets Can Be A Solution
- Sugar industry will soon transform into the energy sector
- Combating desertification in India
- Save Himalayan ecology: Learnings from Turkey-Syria quake & Joshimath crisis
- Zero coal import remains elusive as Centre leans on foreign supplies again
- India to be the highest populated country in the world: Prospects and Issues
- Himalayan fault lines and seismic gaps



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

- Need for reclassification of disadvantaged social groups
- Contemporary challenges to pluralism
- Impact of situational exigencies on social institutions
- Change orientation v/s Status quoism
- Caste as enabler – Caste as an obstacle
- Policy blindspot
- Multidimensional analysis of emerging religious dissent
- Scrutinizing development indicators
- Women in STEM
- Fight against Untouchability
- Increasing Cases of Gender based Violence in India
- India's Child Labour Problem
- Deaths by Suicide in India-An Emerging Societal Issue
- Lives of Indian Women Prisoners
- Political participation of women
- Issues of migrant workers
- The 'questionable' women's right to property
- Internet & its access to women
- Same-Sex Marriage
- Casteism in India's Society
- Persistent Indian Challenges of Indian Society
- Human Trafficking
- Marital Rape
- Overpopulation
- Drug Abuse
- Legal age for marriage (Educated women are likely to marry later)
- Globalization 4.0 and emerging technologies
- Hybrid work model and women
- Manual scavenging



POLITY

<ul style="list-style-type: none"> □ Historical Evolution & Features <ul style="list-style-type: none"> • Importance of Constitution <input type="checkbox"/> • Historical evolution of the Constitution <input type="checkbox"/> • Constituent Assembly <input type="checkbox"/> • Objectives of the Constitution <input type="checkbox"/> • Salient features of Indian Constitution <input type="checkbox"/> • Unitary features <input type="checkbox"/> • Federal features <input type="checkbox"/> • Parliamentary form of government <input type="checkbox"/> • Presidential form of government <input type="checkbox"/> • Parliamentary vs. Presidential system of government <input type="checkbox"/> □ Preamble <ul style="list-style-type: none"> • Preamble <input type="checkbox"/> • Basic features <input type="checkbox"/> • Value premises of constitution <input type="checkbox"/> • Terminologies as: <ul style="list-style-type: none"> ◦ Democratic <input type="checkbox"/> ◦ Sovereign <input type="checkbox"/> ◦ Socialist <input type="checkbox"/> ◦ Secular <input type="checkbox"/> ◦ Republic <input type="checkbox"/> ◦ Justice <input type="checkbox"/> ◦ Equality <input type="checkbox"/> ◦ Liberty <input type="checkbox"/> ◦ Fraternity <input type="checkbox"/> ◦ Integrity <input type="checkbox"/> • Amendability of the Preamble <input type="checkbox"/> □ Citizenship <ul style="list-style-type: none"> • Basic constitutional features <input type="checkbox"/> • Methodology of getting citizenship <input type="checkbox"/> 	<ul style="list-style-type: none"> • Modes of Losing the Citizenship of India <input type="checkbox"/> • Concept of dual citizenship <input type="checkbox"/> • Citizenship provisions in J&K <input type="checkbox"/> • Special privileges enjoyed by citizens in India <input type="checkbox"/> • Overseas Citizens of India (OCI) and Persons of Indian Origin (PIOs) <input type="checkbox"/> □ Fundamental Rights <ul style="list-style-type: none"> • Significance of Fundamental Rights <input type="checkbox"/> • What is State? <input type="checkbox"/> • Right to Equality <input type="checkbox"/> • Right to Freedom <input type="checkbox"/> • Right against Exploitation <input type="checkbox"/> • Right to Freedom of Religion <input type="checkbox"/> • Cultural and Educational Rights <input type="checkbox"/> • Right to Constitutional Remedies <input type="checkbox"/> • Fundamental Rights and Armed Forces <input type="checkbox"/> • Martial Law & Fundamental Rights <input type="checkbox"/> • Difference between procedure established by law and due process of law <input type="checkbox"/> • Writs and their uses <input type="checkbox"/> • Restrictive limitations on fundamental rights <input type="checkbox"/> • Rights outside Part III of the Constitution <input type="checkbox"/> • Dynamic Nature of Article 32 <input type="checkbox"/> • Need of Revitalizing Indian Reservation System <input type="checkbox"/> □ DPSP <ul style="list-style-type: none"> • Basic features <input type="checkbox"/> • Economic and Social DPSP <input type="checkbox"/> • Gandhian DPSP <input type="checkbox"/>
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• Administrative DPSP	<input type="checkbox"/>	• Special provisions for states	<input type="checkbox"/>
• DPSP related to International Peace	<input type="checkbox"/>	• Scheduled and Tribal Areas	<input type="checkbox"/>
• Implementation of DPSP	<input type="checkbox"/>	□ Functions and responsibilities of the Union and the States	
• Fundamental Rights and the Directive Principles of State Policy Controversy	<input type="checkbox"/>	• Regulating functions of Government	<input type="checkbox"/>
• Directives outside Part IV of the Constitution	<input type="checkbox"/>	• Development functions of government	<input type="checkbox"/>
• Application of Uniform Civil Code in India	<input type="checkbox"/>	• Service providing functions of government	<input type="checkbox"/>
□ Fundamental Duties		• Problems in implementation	<input type="checkbox"/>
• Features	<input type="checkbox"/>	• Recommendations for improvement	<input type="checkbox"/>
• Link of Fundamental Rights and Fundamental Duties	<input type="checkbox"/>	• Interrelationship between union, state and local government in implementation of roles	<input type="checkbox"/>
□ Other Principles		• Constitutional provisions related to financial devolution	<input type="checkbox"/>
• Process of law making in India	<input type="checkbox"/>	• Issues of financial devolution	<input type="checkbox"/>
• Role of Constitutional and extra constitutional bodies in law making	<input type="checkbox"/>	□ Issues and challenges pertaining to the federal structure	
• Basic structure: How it evolves?	<input type="checkbox"/>	• Administrative relations	<input type="checkbox"/>
• Different types of majorities required in Indian Constitution	<input type="checkbox"/>	• Legislative relations	<input type="checkbox"/>
• DPSP v. Fundamental Rights	<input type="checkbox"/>	• Financial relations	<input type="checkbox"/>
• Doctrines & Terminologies	<input type="checkbox"/>	• Emergency Provisions and Misuse of Article 356	<input type="checkbox"/>
□ Separation of Powers		• Inter-State relations	<input type="checkbox"/>
• Features in American and UK Constitution	<input type="checkbox"/>	• Issues related to Union List, State List & Concurrent List	<input type="checkbox"/>
• Checks and balances provisions in Indian Constitution	<input type="checkbox"/>	• Issues related to appointment of Governor	<input type="checkbox"/>
• Judicial Review	<input type="checkbox"/>	• Issues related to state formation	<input type="checkbox"/>
• Concept of Separation of Powers	<input type="checkbox"/>	• Poor devolution of finances	<input type="checkbox"/>
□ Comparison of the Indian constitutional scheme with that of other countries		• Reserving bill for Presidential approval	<input type="checkbox"/>
• It should cover comparison of USA, UK, India and neighbours	<input type="checkbox"/>	• Central sponsored schemes and issues	<input type="checkbox"/>
□ Union & States		• Special package for different states	<input type="checkbox"/>
• State Reorganization Commission (brief)	<input type="checkbox"/>	• Issues between Centre and State after 1990 reforms	<input type="checkbox"/>
• Components of Indian territory	<input type="checkbox"/>	• Foreign policy and Centre and State Relations	<input type="checkbox"/>
• Process of formation of new states	<input type="checkbox"/>	• Inter-State border disputes	<input type="checkbox"/>
• Zonal Councils	<input type="checkbox"/>	□ The President	
• Union territories	<input type="checkbox"/>	• Importance of President	<input type="checkbox"/>
		• Qualification	<input type="checkbox"/>

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

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

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

<p>□ Salient features of the representation of people’s act:</p> <ul style="list-style-type: none"> • Representation of the People Act (RPA) 1950 <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Provisions <input type="checkbox"/> ◦ Delimitations <input type="checkbox"/> ◦ Electoral rolls <input type="checkbox"/> ◦ CEO (chief electoral officer) <input type="checkbox"/> ◦ ERO (electro registration officer) <input type="checkbox"/> • Representation of the people act, 1951 <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Provisions <input type="checkbox"/> ◦ Qualification for contesting elections in India <input type="checkbox"/> ◦ Right to vote <input type="checkbox"/> 	<ul style="list-style-type: none"> ◦ Corrupt practices <input type="checkbox"/> ◦ Significance of the acts <input type="checkbox"/> • Challenges of both the acts <input type="checkbox"/> <p>□ Odisha Right to Public Service Act</p> <ul style="list-style-type: none"> • Salient features <input type="checkbox"/> • Challenges <input type="checkbox"/> • Way forward\measures <input type="checkbox"/> <p>□ Odisha Lokayukta Act</p> <ul style="list-style-type: none"> • Objectives <input type="checkbox"/> • Salient features <input type="checkbox"/> • Challenges <input type="checkbox"/> • Measures <input type="checkbox"/>
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□ **Role of state civil services in a Democracy:**

- Panchayat Raj institution in Odisha
- Interstate Relations
- Odisha and west Bengal:
 - ◆ Cultural ties
 - ◆ Trade\Economic relation
 - ◆ Political ties
 - ◆ Tourism
 - ◆ Border disputer
- Odisha and Andhra Pradesh:
 - ◆ Cultural & historical ties.
 - ◆ Economic relation.
 - ◆ Political
 - ◆ Tourism

- ◆ Border dispute
- Odisha and Jharkhand:
 - ◆ Geographical proximity
 - ◆ Similar tribal communities
 - ◆ Trade and commerce
 - ◆ Political ties
 - ◆ Cultural ties
 - ◆ Border disputes
- Odisha and Chhattisgarh:
 - ◆ Historical & cultural ties
 - ◆ Trade & commerce
 - ◆ Political relation
 - ◆ Boarder disputes
 - ◆ River disputes

CONTEMPORARY ISSUES

- Constitutionalism - Critiques Interface between Constitution & People
- Dynamism in Rule of law
- Identity Politics & institutionalisation
- Provisions to Deal with illegal migrants
- Women in judiciary
- Analysis on Criminalization of Marital Rape
- Issues underlying India's reservation system
- The balance between Fundamental Rights and Parliamentary Privileges
- Facial recognition technology and right to privacy
- Uniform Civil Code: Personal Laws versus Gender Justice
- The debate over DPSP and Freebies
- People versus Parliament: Creator-creation conundrum
- Under-trials in India: Convicted before conviction
- Misuse of Discretionary powers by Governors
- Turbulence in Relationship between Governor and Chief Minister
- Giving more financial independence to Local Governments: Need and Feasibility
- Effectiveness of People's Plan Campaign
- Impact of Women in Local Bodies
- Application of Federalism in Judiciary
- Reforms in Policing administration in India
- Lacunas in Parliamentary functioning in India
- Right to vote for under trials and civil prisoners
- Governor's role and recurring controversy
- Constitutionality of First Constitution Amendment Act

- How Welfare State V/s Freebies is a dilemma for political parties?
- Custodial violence
- Judicial Appointment & Issues
- Increase in Death penalty by trial courts
- SC on aldermen's right to vote
- Increasing border disputes among states
- Weaponising the defamation law
- Investigation agencies and their misuse
- Judicial Accountability
- Election commission reform and SC Ruling
- Mayor & associated issues
- Parliamentary privileges
- Debate around committee of parliament
- Role of 'indigenous language' in education



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

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

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

NITI Aayog's, NIRF etc.)

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

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

SOCIAL JUSTICE

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

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

□ Services relating to Health, Education, Human Resources

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

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

□ Issues relating to poverty and hunger

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

□ The Scheduled and Tribal Areas

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

□ Start Up India Scheme

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

□ Vulnerable Sector

- Social Security Scheme
 - Atal Pension Yojana
 - Pradhan Mantri Jeevan Jyoti Bima Yojana
 - Pradhan Mantri Suraksha Bima Yojana
- Minorities
 - Nai Roshni Scheme
 - USTAAD Scheme (Upgrading the Skills and Training in Traditional Arts/Crafts for Development)
 - Nai Manzil Scheme
- Women and Child Development
 - Beti Bachao Beti Padhao
 - Sukanya 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
- Swachh Bharat Abhiyan
- Pradhan Mantri Awas Yojana- Gramin
- Pradhan Mantri Awas Yojana - Urban
- Housing for all by 2022
- Smart Cities Mission
- Hriday - National Heritage City Development and Augmentation Yojana

- Amrut (Atal Mission for Rejuvenation and Urban Transformation)

□ Miscellaneous Schemes

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

- PRAGATI (Pro-Active Governance and Timely Implementation)

- Indian Community Welfare Fund (ICWF)

□ Inclusive growth

- Measurement criteria
- Government initiatives for inclusive growth
- Basic Amenities: Housing/Drinking Waters/Sanitations
- Sustainable Development
- Rural Development
- Rural development and poverty alleviation
- Review of the Existing Programmes
- Development Administration
- Panchayati Raj
- Agriculture and Rural Development

SOCIAL JUSTICE

□ Welfare Schemes for vulnerable sections of the population by Govt. of Odisha

- KALIA scheme
- Madhubabu pension Yojana
- Biju Swasthya Kalyan Yojna
- Mamata scheme
- Odisha state food security scheme
- Biju Pucca Ghar Yojna

□ Institutions and Bodies in the state of Odisha for betterment of vulnerable sections-

- Odisha state commission for women
- Odisha state commission for protection of child rights.
- Odisha state commission for person with disabilities
- Odisha state social welfare board

CONTEMPORARY ISSUES

- Democracy in the digital age
- One nation Approach to Welfare and Service Delivery
- Evolution of Governance from Food, Shelter, clothing to Ease of Living
- Local Bodies and Disaster Management: bringing in bottom up Resilience
- SHGs -Cushioning to Rural Governance
- Regulating The Foreign Contribution and funding : A much needed safety valve

- Emerging Challenges to Sustainable Development and Road Ahead
- Transparent Taxation : From Tax terrorism to Tax compliance
- Public Accountability in present times
- Social Audit Law: Modern Means of enforcing Accountability
- Climate goals and Development: A search for "Win-Win" Solution.

- Online education and India: A stopgap or a revolution?
- Rebooting Mid-Day Meals in the post pandemic World
- Regulatory Bodies of 21st Century: Embracing Technology
- One Nation One Ration Card : A model for portability in Governance
- Startups and Governance: A roadmap for future
- Governance of future and 4th Industrial Revolution.
- Adding Digital layers for democratic governance
- Internal Democracy in Political Parties
- Era of Combative Federalism
- One Nation, One Election
- Religion and Conversions
- Open Prison for women
- Is the RTI Act fulfilling its purpose?
- Government to unveil National Data Governance Policy
- Punish to Reform: Rajasthan’s Open Prison Model
- Transparency in OTT regulation
- Regulating online sale of drugs
- E-postal ballot for overseas Indian voters
- Section 144 of CrPC
- Hate Speech
- Mission Karmayogi civil service reform
- Sports governance
- Personal data protection bill
- Aspirational District/ block program
- Social Audit
- National policy and rare diseases
- Inter-Services Organizations Bill, 2023
- Understanding India’s Mental Healthcare Act, 2017
- Marriage equality (same-sex marriage)
- Government notifies PMLA Amendment Rules, 2023
- Online Child Sexual Abuse in India
- Children’s right to protect their genetic information
- The electoral bonds scheme and the challenges
- How the Climate Change and Cooperative Federalism are related to each other?



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

<ul style="list-style-type: none"> ● India’s experience <input type="checkbox"/> ● Social sector initiatives and inclusion process <input type="checkbox"/> ● Ground reality and working of flagship schemes <input type="checkbox"/> ● India’s growth story in this context <input type="checkbox"/> ● Rural economy based growth <input type="checkbox"/> ● Need of Sustainable agriculture, food security and resilience for growth <input type="checkbox"/> ● Public distribution schemes: Way to inclusive growth <input type="checkbox"/> ● Financial inclusion as an instrument of inclusive growth <input type="checkbox"/> ● Poverty Alleviation and Employment Generation as a strategy for inclusive growth <input type="checkbox"/> ● Social sector development as an instrument for inclusive growth <input type="checkbox"/> ● Public private partnership for inclusive growth <input type="checkbox"/> ● Industrial Integration for inclusive growth <input type="checkbox"/> ● Sectoral and regional diversification as a tool for inclusive growth <input type="checkbox"/> ● Governmental Schemes and Policies for inclusive growth <input type="checkbox"/> <ul style="list-style-type: none"> ○ Pradhan Mantri Jan Dhan Yojana <input type="checkbox"/> ○ MUDRA (Micro Units Development and Refinance Agency) Bank <input type="checkbox"/> ○ Self Employment and Talent Utilization (SETU) <input type="checkbox"/> ○ Skill India <input type="checkbox"/> ○ Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) <input type="checkbox"/> ○ Kisan Card <input type="checkbox"/> ○ Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) <input type="checkbox"/> ○ National Agriculture Market (NAM) <input type="checkbox"/> ○ Pradhan Mantri Jeevan Jyoti Beema Yojana <input type="checkbox"/> ○ Pradhan Mantri Jeevan Suraksha Yojana <input type="checkbox"/> ○ Atal Pension Yojana <input type="checkbox"/> ○ Digital India programme <input type="checkbox"/> 	<ul style="list-style-type: none"> □ Government Budgeting <ul style="list-style-type: none"> ● Budget, Economic Survey <input type="checkbox"/> ● Budget terminology <input type="checkbox"/> ● Types of Budget <input type="checkbox"/> ● Features of outcome budgeting <input type="checkbox"/> ● Merger of Railway and General Budget <input type="checkbox"/> ● Benefits of budgeting <input type="checkbox"/> ● Flaws in budgeting process <input type="checkbox"/> ● Budget analysis <input type="checkbox"/> ● Subsidy <input type="checkbox"/> □ Investment Models <ul style="list-style-type: none"> ● Need for Investment <input type="checkbox"/> ● Sources of Investment <input type="checkbox"/> ● Measures of Investment <input type="checkbox"/> ● Capital and investment <input type="checkbox"/> ● Factors affecting investment <input type="checkbox"/> ● Classification of Investment <input type="checkbox"/> ● Types of Investment Models <input type="checkbox"/> ● Investment Models Followed by India <input type="checkbox"/> <ul style="list-style-type: none"> ○ Domestic Investment Models <input type="checkbox"/> <ul style="list-style-type: none"> ○ Public Investment Model <input type="checkbox"/> ○ Private Investment Model <input type="checkbox"/> ○ Public Private Participation Investment Model <input type="checkbox"/> ○ Foreign Investment Models (FDI, FII, etc.) <input type="checkbox"/> ● Role of State <input type="checkbox"/> ● PPP (Public-Private Partnership) <input type="checkbox"/> ● Savings and Investment Trends <input type="checkbox"/> □ Fiscal policy <ul style="list-style-type: none"> ● Fiscal Policy in India <input type="checkbox"/> ● Important Budgetary Terms and Fiscal Concept <input type="checkbox"/> ● Government Revenues & Spending <input type="checkbox"/> ● Deficits and its financing <input type="checkbox"/> <ul style="list-style-type: none"> ○ Revenue Deficit <input type="checkbox"/> ○ Fiscal Deficit <input type="checkbox"/> ○ Primary Deficit <input type="checkbox"/> ● Balance Sheet <input type="checkbox"/>
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□ 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

<ul style="list-style-type: none"> ◦ Capital Account <input type="checkbox"/> ◦ Goods and Services Account <input type="checkbox"/> • India's BOP Performance: <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Balance of Payment versus Balance of Trade <input type="checkbox"/> ◦ Current Account versus Capital Account <input type="checkbox"/> • Foreign Capital <input type="checkbox"/> • Impact of Globalization on Indian Economy <input type="checkbox"/> • FDI and FPI in India, External Commercial Borrowings <input type="checkbox"/> • Foreign Exchange Rate Determination in India <input type="checkbox"/> 	<ul style="list-style-type: none"> • Types of Exchange Rate <input type="checkbox"/> • Capital and Current Account Convertibility in India <input type="checkbox"/> • The Bretton Woods Twins: <input type="checkbox"/> <ul style="list-style-type: none"> ◦ World Bank <input type="checkbox"/> ◦ International Monetary Fund <input type="checkbox"/> • World Bank Group <input type="checkbox"/> • World Trade Organisation (WTO) and India <input type="checkbox"/> • ADB, NDB, BRICS Bank, AIIB <input type="checkbox"/> • Bilateral, Regional and Global <input type="checkbox"/> • Groupings and Agreements involving India <input type="checkbox"/> • Important report and forecasts <input type="checkbox"/>
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AGRICULTURE

<ul style="list-style-type: none"> □ Role of Agriculture in Indian Economy <ul style="list-style-type: none"> • Situation of Indian Agriculture <input type="checkbox"/> • Historical background and current status <input type="checkbox"/> • Cropping Patterns: Types of Cropping <input type="checkbox"/> • Systems: Mono-cropping; Crop Rotation; Sequential Cropping; Inter Cropping; Relay Cropping <input type="checkbox"/> • Issues related to direct and indirect farm subsidies and minimum support prices <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Farm Subsidies in India: Definition; Working; Need; Negative Impacts <input type="checkbox"/> ◦ Types of Farm Subsidies in Indian Agriculture: Irrigation and Power Subsidies; Fertilizer Subsidy; Seed Subsidy; Credit Subsidy <input type="checkbox"/> ◦ Government Intervention in Indian Agriculture <input type="checkbox"/> ◦ Minimum Support Prices in Indian Agriculture: MSP definition; Working; Issues; Drawbacks; Way Ahead; Buffer Stocks <input type="checkbox"/> ◦ Public Distribution System in India: Definition; Issues; Working; Needs; Disadvantages <input type="checkbox"/> 	<ul style="list-style-type: none"> ◦ Targeted PDS in India, Antyodaya Anna Yojana (AAY), Alternative to the PDS, Direct Benefit Transfers, National Food Security Act <input type="checkbox"/> • Agriculture Marketing <input type="checkbox"/> • 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 <input type="checkbox"/> • Conclusive Land Titling <input type="checkbox"/> • Biotech-KISAN Program <input type="checkbox"/> □ Land resource <ul style="list-style-type: none"> • Land-use <input type="checkbox"/> • Land capability classification <input type="checkbox"/> • Causes of Land Degradation <input type="checkbox"/> • Impact of Land Degradation <input type="checkbox"/> • Steps taken by GOI <input type="checkbox"/> • Sustainable Land Management <input type="checkbox"/> □ Land Reforms <ul style="list-style-type: none"> • Land ownership patterns under the British rule <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Zamindari System (Permanent settlement of Bengal) <input type="checkbox"/> ◦ Ryotwari System <input type="checkbox"/> ◦ Mahalwari System <input type="checkbox"/>
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<ul style="list-style-type: none"> • Land reforms since independence <input type="checkbox"/> • Objectives of land reforms in India <input type="checkbox"/> • Progress of Land Reforms in India <input type="checkbox"/> • Progress of Ceiling Legislation <input type="checkbox"/> • NITI Aayog Report on Land Leasing <input type="checkbox"/> • SVAMITVA (Survey of Villages and Mapping with Improved Technology in Village Areas) <input type="checkbox"/> 	<ul style="list-style-type: none"> • Farmers Service Societies (FSS) <input type="checkbox"/>
<p>□ Agriculture Finance</p> <ul style="list-style-type: none"> • Features of Agricultural Finance <input type="checkbox"/> • Criteria for Agricultural Credit <input type="checkbox"/> • Need for Agricultural Finance <input type="checkbox"/> • Sources of Agricultural Finance <input type="checkbox"/> • Problems of Agricultural Finance <input type="checkbox"/> • Measures taken to improve credit flow to agriculture <input type="checkbox"/> • Co-operative Credit Societies in India <input type="checkbox"/> • Derivate Trade in Agriculture Commodities <input type="checkbox"/> 	<p>□ Crop Insurance in India</p> <ul style="list-style-type: none"> • Historical Background <input type="checkbox"/> • Issues Related to Crop Insurance <input type="checkbox"/> • Pradhan Mantri Fasal Bima Yojana <input type="checkbox"/> • Comparison with Earlier Crop Insurance Schemes <input type="checkbox"/> • Challenges <input type="checkbox"/>
<p>□ Important Schemes</p> <ul style="list-style-type: none"> • Pradhan Mantri Kisan Maandhan Yojana <input type="checkbox"/> • PM-Kisan Scheme Paramparagat Krishi Vikas Yojana (PKVY) <input type="checkbox"/> • Pradhan Mantri Krishi Sinchai Yojana (PMKSY) <input type="checkbox"/> • Rythu Bandhu Scheme <input type="checkbox"/> 	<p>□ Important Schemes</p> <ul style="list-style-type: none"> • Pradhan Mantri Fasal Bima Yojana (PMFBY) <input type="checkbox"/> • Kisan Credit Card (KCC) Scheme <input type="checkbox"/> • Soil Health Card Scheme <input type="checkbox"/> • National Mission for Sustainable Agriculture (NMSA) <input type="checkbox"/>
<p>□ Agricultural Credit Institutions</p> <ul style="list-style-type: none"> • Commercial Bank <input type="checkbox"/> • Lead Bank Scheme <input type="checkbox"/> • Multi Agency Approach <input type="checkbox"/> • Regional Rural Banks <input type="checkbox"/> • National Bank for Agriculture and Rural Development (NABARD) <input type="checkbox"/> • Reserve Bank of India <input type="checkbox"/> • Kisan Credit Card Scheme <input type="checkbox"/> • Self Help Group (SHG) Bank Linkage Programme <input type="checkbox"/> • Rural Infrastructure Development Fund (RIDF) <input type="checkbox"/> • Government Policy For Agricultural Credit <input type="checkbox"/> 	<p>□ Agriculture Marketing</p> <ul style="list-style-type: none"> • Process of Agricultural Marketing in India <input type="checkbox"/> • Structure of Agricultural Marketing in India <input type="checkbox"/> • Importance of Proper Agriculture Marketing <input type="checkbox"/> • Government Measures to Improve Agricultural Marketing in India <input type="checkbox"/> • Analysis of APMC Act <input type="checkbox"/> • National Agriculture Market (e-NAM) <input type="checkbox"/>
	<p>□ Subsidies</p> <ul style="list-style-type: none"> • Subsidy in India <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Farm Subsidies <input type="checkbox"/> ◦ Fertiliser subsidies <input type="checkbox"/> ◦ Subsidy on power <input type="checkbox"/> ◦ Subsidy on irrigation <input type="checkbox"/> • Issues related to direct and indirect farm subsidies and minimum support prices <input type="checkbox"/> • Objectives of subsidies <input type="checkbox"/> • Transfer of resources from gainers from economic policies to losers from economic policies <input type="checkbox"/> • Issues of buffer stocks and food security <input type="checkbox"/> • Technology missions <input type="checkbox"/>

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

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

ECONOMIC DEVELOPMENT OF ODISHA

- **Government budgeting Odisha**
- **Land reforms in Odisha:**
 - Permanent settlement in Odisha
 - Mahalwari system
 - Ryotwari system
 - Recent Odisha initiative for land reform of Odisha
- **Effect of liberalisation on the economy of Odisha**
- **Changes in industrial policy in Odisha post liberalisation:**
 - IPR 2007
 - IPR 2015

- IPR 2022
- Odisha state export policy 2017
- Odisha start up policy 2016
- Odisha MSME development policy
- **Infrastructure in Odisha:**
 - Energy
 - Ports
 - Roads
 - Airports
 - Railway
- **Industrialisation in Odisha:**
 - Issues
 - Prospects

AGRICULTURE IN ODISHA

- **Major cropping pattern in Odisha**
- **Major Agro climatic Zone in Odisha**
 - North western plateau Agro climatic zone
 - North Central Plateau Agro climatic zone

- North eastern coastal plain agro climatic zone
- East and south eastern coastal plain agro climatic zone
- North eastern Ghats agro climatic zone
- Eastern Ghats High land agro climatic zone

- Western undulating zone agro climatic zone
- Western central table land Agro climatic zone
- Mid central table land agro climatic zone
- Horticulture in Odisha
- Vegetable and fruit cultivation in Odisha
- Major Odisha Govt. initiative for promotion of agriculture
- Different types of irrigation in Odisha-

- Surface irrigation
- Drip irrigation
- Sprinkler irrigation
- Central pivot irrigation
- Lateral move irrigation
- Manual irrigation
- Economics of Animal rearing in Odisha
- Food processing and related industries in Odisha
- Supply chain management of food processing industries in Odisha

CONTEMPORARY ISSUES

- GST Analysis
- Issues with Offshore Investments
- Credit Rating Agencies and their Implications
- Fiscal Federalism in India and GST provisions
- Issue with Banking System
- Issues related to mobilization of capital
- Effectiveness of Monetary Policy Committee in high fiscal deficit situation
- Lessons on NPA from Global Banks
- Government schemes for Industry
- Need for reforms in Market infrastructure Institutions
- Renewable Energy Sector: goals related deadlines
- Financing of Infrastructure in India: Issues, Challenges and Government Steps
- Transitioning to a Sustainable Energy Ecosystems
- Global Value Chains: Significance for India & its Concerns
- Rising New Form of Protectionism
- How is India's exchange rate related to its current account deficit, forex reserves and balance of Payments.
- India's Employment Scenario
- Online Gaming Sector
- The Insolvency and Bankruptcy Code
- Short selling of share
- Carbon Tax
- Bank failure in US
- DBT and Financial Inclusion
- RBI's digital currency: Potential and Challenges
- The 'serious' situation of hunger in India
- Innovation and India (Global Innovation index, 2022)
- India's Energy Security
- Rupees depreciation
- Banking System liquidity & its 'deficit mode'
- Impact of the Russia-Ukraine Conflict on the Indian Economy
- Freebies & their economic viability
- India & its race to be in the list of largest Economies
- Hyper-lapse consumerism
- Assessing Indian Economic progress since Independence
- Required reform in indirect taxation (GST 2.0)
- Significance of Semiconducting Devices in Indian Economy

- India's Fertiliser sector: India as a global organic fertilizer hub
- Universal basic Income
- Reforms in India's Agriculture
- India and the problem of bad loans
- Credit challenges: On credit flow and all-around capital spending RBI proposed a forward-looking approach for loan losses
- Digital crop survey in India
- Centre to give incentive for banks to promote digital payments
- The International Year of Millets: how India's govt can promote the cereals in 2023
- Economic Survey 2022- 23
- Primary Agricultural Credit Societies
- Just Energy Transition Partnership (JET-P)
- New Tax Regime
- The status and proceeds of disinvestment
- Bhutan graduated from the 'Least Developed Country' status
- RBI allows banks of other nations to trade in rupee
- PM MITRA: Seven states selected to develop Mega Textile Parks
- Prudent Asset Liability management
- SEBI getting set to regulate index providers



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 electrochemistry
(Battery and Charging devices) | <input type="checkbox"/> | • Vitamins and Enzymes | <input type="checkbox"/> |

PHYSICS

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

BIOTECHNOLOGY

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

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

<ul style="list-style-type: none"> <input type="checkbox"/> Vaccination and Immunisation <input type="checkbox"/> <input type="checkbox"/> Vaccination program of India <input type="checkbox"/> <input type="checkbox"/> Medicines <ul style="list-style-type: none"> <input type="checkbox"/> Antibiotics <input type="checkbox"/> <input type="checkbox"/> Antiviral and antifungal drugs <input type="checkbox"/> 	<ul style="list-style-type: none"> <input type="checkbox"/> Monoclonal antibodies therapy <input type="checkbox"/> <input type="checkbox"/> Antimicrobial drug resistance <input type="checkbox"/> <input type="checkbox"/> Drug formulations <input type="checkbox"/> <input type="checkbox"/> Drug pricing in India <input type="checkbox"/> <input type="checkbox"/> Pharmacogenetics <input type="checkbox"/>
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SPACE

<ul style="list-style-type: none"> <input type="checkbox"/> Types of orbits <input type="checkbox"/> <input type="checkbox"/> Types of Launch Vehicles and application <input type="checkbox"/> <input type="checkbox"/> Space missions of key space agencies <ul style="list-style-type: none"> <input type="checkbox"/> NASA <input type="checkbox"/> <input type="checkbox"/> ISRO <input type="checkbox"/> <input type="checkbox"/> ESA <input type="checkbox"/> <input type="checkbox"/> ROSCOSMOS <input type="checkbox"/> <input type="checkbox"/> JAXA <input type="checkbox"/> <input type="checkbox"/> CNSA <input type="checkbox"/> <input type="checkbox"/> ISRO and its role in national development <input type="checkbox"/> <input type="checkbox"/> Private sector in space <input type="checkbox"/> <input type="checkbox"/> Public-private partnership in space sector <input type="checkbox"/> <input type="checkbox"/> Space Technology <ul style="list-style-type: none"> <input type="checkbox"/> Cryogenics <input type="checkbox"/> <input type="checkbox"/> Nanosatellites <input type="checkbox"/> <input type="checkbox"/> Electric Propulsion <input type="checkbox"/> <input type="checkbox"/> Aviation Internet, Starlink communication <input type="checkbox"/> 	<ul style="list-style-type: none"> <input type="checkbox"/> Satellite communications <input type="checkbox"/> <input type="checkbox"/> Remote sensing and its applications <input type="checkbox"/> <input type="checkbox"/> Ground Segment-As-A-Service <input type="checkbox"/> <input type="checkbox"/> Green Propellant <input type="checkbox"/> <input type="checkbox"/> Deep Space Atomic Clock <input type="checkbox"/> <input type="checkbox"/> Strategic dimensions <ul style="list-style-type: none"> <input type="checkbox"/> Space weapons <input type="checkbox"/> <input type="checkbox"/> A-SAT technology <input type="checkbox"/> <input type="checkbox"/> Laser technology <input type="checkbox"/> <input type="checkbox"/> HGV technology <input type="checkbox"/> <input type="checkbox"/> International Space Collaboration <input type="checkbox"/> <input type="checkbox"/> Various Space Observatories <input type="checkbox"/> <input type="checkbox"/> Various Telemetry <input type="checkbox"/> <input type="checkbox"/> Navigation <ul style="list-style-type: none"> <input type="checkbox"/> Global Positioning System <input type="checkbox"/> <input type="checkbox"/> Galileo <input type="checkbox"/> <input type="checkbox"/> GLONASS <input type="checkbox"/> <input type="checkbox"/> IRNSS <input type="checkbox"/> <input type="checkbox"/> Geopolitics of outer space <input type="checkbox"/>
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DEFENCE

<ul style="list-style-type: none"> <input type="checkbox"/> Missile System & Classification <input type="checkbox"/> <input type="checkbox"/> Ballistics And Cruise Missile <input type="checkbox"/> <input type="checkbox"/> India's Missile System <input type="checkbox"/> <input type="checkbox"/> Integrated Guided Missile Program <input type="checkbox"/> 	<ul style="list-style-type: none"> <input type="checkbox"/> Missile Defence Programmes <ul style="list-style-type: none"> <input type="checkbox"/> Defence Technology <input type="checkbox"/> <input type="checkbox"/> Application of robotics in defence sector <input type="checkbox"/> <input type="checkbox"/> Application of AI in defence <input type="checkbox"/> <input type="checkbox"/> Internet of Military Things (IoMT) <input type="checkbox"/>
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<ul style="list-style-type: none"> • Cyber warfare, and preparedness <input type="checkbox"/> • Drone technology <input type="checkbox"/> • Unmanned Aerial Vehicle <input type="checkbox"/> • Stealth technology <input type="checkbox"/> • Advanced Defence Equipment <input type="checkbox"/> • Air Defence system <input type="checkbox"/> • 3-D printing missiles <input type="checkbox"/> • Lethal Autonomous Weapons <input type="checkbox"/> • Hypersonic technology <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Hypersonic glide vehicles <input type="checkbox"/> ◦ Hypersonic cruise missiles <input type="checkbox"/> 	<ul style="list-style-type: none"> • Chemical Weapons <input type="checkbox"/> • Biological Weapons <input type="checkbox"/> • Directed Energy Weapons <input type="checkbox"/>
<ul style="list-style-type: none"> □ Weapon System <ul style="list-style-type: none"> • Classical weapons <input type="checkbox"/> • Weapon of mass destruction <input type="checkbox"/> • Fission and fusion bombs <input type="checkbox"/> 	<ul style="list-style-type: none"> □ Defence Reforms <ul style="list-style-type: none"> • CDS <input type="checkbox"/> • Various committees and recommendations <input type="checkbox"/> □ Domains of Warfare □ Defence Platforms <ul style="list-style-type: none"> • Submarine <input type="checkbox"/> • Aircraft carrier <input type="checkbox"/> • Combat aircraft <input type="checkbox"/> □ Defence Organizations and laboratories □ Defence Exercises

NUCLEAR ENERGY

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

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

NANO SCIENCE & NANO TECHNOLOGIES

- | | |
|---|--|
| □ Basics of Nano Science and Nano Technology <input type="checkbox"/> | • Transport <input type="checkbox"/> |
| □ Nanomaterial <input type="checkbox"/> | • Space <input type="checkbox"/> |
| □ Applications of Nano Technology <input type="checkbox"/> | • Agriculture <input type="checkbox"/> |
| • Nano medicine <input type="checkbox"/> | □ Impacts of Nano Technology <input type="checkbox"/> |
| • Semiconductors and computing <input type="checkbox"/> | • Adverse Health and Environmental <input type="checkbox"/> |
| • Food <input type="checkbox"/> | • Social and Ethical Impacts <input type="checkbox"/> |
| • Textiles <input type="checkbox"/> | □ Nano Science & Nano technology in India <input type="checkbox"/> |
| • Sustainable energy <input type="checkbox"/> | |
| • Environment <input type="checkbox"/> | |

ROBOTICS & AI

- | | |
|---|---|
| □ Robotics <input type="checkbox"/> | □ AI <input type="checkbox"/> |
| • Machine vs Computer vs Robots <input type="checkbox"/> | • Neural networks <input type="checkbox"/> |
| • Parts of a Robot <input type="checkbox"/> | • Machine Learning and Deep learning <input type="checkbox"/> |
| • Classification of Robots <input type="checkbox"/> | • Application of AI <input type="checkbox"/> |
| • Advantages and Disadvantages of Robot <input type="checkbox"/> | • Artificial Intelligence and Robotics <input type="checkbox"/> |
| • Applications of Robotics in Agriculture, industry, defence, etc. <input type="checkbox"/> | |

IPR

- | | |
|---|--|
| □ IPR <input type="checkbox"/> | • International Agreements and Institution on IPR <input type="checkbox"/> |
| • What are Intellectual Property Rights (IPR)? <input type="checkbox"/> | • IPR Regime in India <input type="checkbox"/> |
| • Types of Intellectual Property Rights <input type="checkbox"/> | • National Intellectual Property Rights Policy <input type="checkbox"/> |

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

- Private sector and its role in space
- Indigenization of Technology and Developing New Technology.
- Defence Technology Issues, Challenges and solutions
- Indigenization in the Defence Technology
- Importance and Challenges in front of India with respect to Nuclear energy use.
- Importance of Nano-technology in 21st century
- Biotechnology and its challenges
- Applications of Web 3.0
- Additive Manufacture: opportunities & challenges
- Importance of AI in India
- Robotics and Issues of Unemployment
- Issue of Public Health Surveillance
- India's Space Sector (Private Sector in Space, Indian Space Policy – 2023)
- Space Debris
- Importance of Drone Technology in Indian Agriculture
- Policing in the Metaverse
- 5G Technology & India (Web 5.0)
- India's geospatial technology
- CRISPR & its role in changing the world (10 Years of CRISPR)
- Increasing adoption of AI (Delhi Police's use of Facial Recognition Technology)
- ChatGPT: Artificial Intelligence and ethical challenges
- Biotransformation technology
- Increasing Cyber Attacks (LockBit ransomware, Bluebugging, Hermit, the Pegasus-like spyware)
- Deepfake (China to rein in 'deepfake' tech)
- Antimicrobial Resistance (recognised as a 'silent pandemic')
- India's Deep Ocean Mission
- The uncontrolled re-entries of satellites
- Human Cell Atlas
- The status of India's national cyber security strategy
- Recycling heat generated by datacenters



ENVIRONMENT & ECOLOGY

<p>□ Ecology</p> <ul style="list-style-type: none"> • Types of Ecology <input type="checkbox"/> • Ecological Hierarchy <input type="checkbox"/> • Scope of Ecology <input type="checkbox"/> • Habitat & Ecological Niche <input type="checkbox"/> • Deep vs Shallow Ecology <input type="checkbox"/> • Ecological Principles <input type="checkbox"/> • Ecological Community <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Structure and Characteristics of a Community <input type="checkbox"/> ◦ Stratification <input type="checkbox"/> ◦ Ecotones <input type="checkbox"/> ◦ Ecological Dominance <input type="checkbox"/> ◦ Seasonal and Diurnal Fluctuation <input type="checkbox"/> ◦ Periodicity <input type="checkbox"/> ◦ Turnover <input type="checkbox"/> ◦ Interdependence <input type="checkbox"/> • Ecological Succession <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Types and Process of Succession <input type="checkbox"/> ◦ Climax Community <input type="checkbox"/> • Range of Tolerance, Maximum Range <input type="checkbox"/> • Difference between Ecology, Environment and Ecosystem <input type="checkbox"/> <p>□ Ecosystem and its dynamics</p> <ul style="list-style-type: none"> • Ecosystem Definitions <input type="checkbox"/> • Functions and Properties of Ecosystem <input type="checkbox"/> • The Structure/Components of Ecosystem <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Abiotic Components <input type="checkbox"/> ◦ Biotic Components <input type="checkbox"/> • Ecosystem Dynamics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Flow of Energy in Ecosystem <input type="checkbox"/> ◦ Trophic Levels <input type="checkbox"/> 	<ul style="list-style-type: none"> ◦ Food Chain <input type="checkbox"/> ◦ Types & Significance of Food Chain <input type="checkbox"/> ◦ Food Web <input type="checkbox"/> ◦ Models for Energy Flow <input type="checkbox"/> ◦ Ecological Productivity <input type="checkbox"/> ◦ Ecological Pyramid <input type="checkbox"/> • Biomagnifications <input type="checkbox"/> • Biological Control <input type="checkbox"/> • Organic Farming <input type="checkbox"/> <p>□ Biogeochemical Cycles</p> <ul style="list-style-type: none"> • Parts of a Bio Geochemical Cycle <input type="checkbox"/> • Types of Biogeochemical Cycle <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Carbon Cycle <input type="checkbox"/> ◦ Nitrogen Cycle <input type="checkbox"/> ◦ Phosphorus Cycle <input type="checkbox"/> ◦ Sulphur Cycle <input type="checkbox"/> <p>□ Biomes: Forest, Grassland, Mountain, and Desert Ecosystems</p> <ul style="list-style-type: none"> • Biome <input type="checkbox"/> • Grasslands <input type="checkbox"/> • Tundra <input type="checkbox"/> • Deserts <input type="checkbox"/> • Thar desert <input type="checkbox"/> • Mountain biome <input type="checkbox"/> <p>□ Aquatic Life Zones: Ocean, Rivers, Lakes, and Wetlands</p> <ul style="list-style-type: none"> • Aquatic ecosystems <input type="checkbox"/> • Basic facts about the ocean <input type="checkbox"/> • Importance of the ocean <input type="checkbox"/> • Zones of the ocean <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Marine life <input type="checkbox"/>
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<ul style="list-style-type: none"> • Coral reefs <input type="checkbox"/> • Coral reefs in India <input type="checkbox"/> • Conserving coral reefs <input type="checkbox"/> • Mangroves <input type="checkbox"/> • Mangroves in India <input type="checkbox"/> • Freshwater in India <input type="checkbox"/> • Importance of lakes <input type="checkbox"/> • National Lake Conservation Plan <input type="checkbox"/> • Wetlands and their importance <input type="checkbox"/> • Ramsar Convention <input type="checkbox"/> • Ramsar Sites <input type="checkbox"/> • Montreux Record <input type="checkbox"/> • Extent and distribution of wetlands in India <input type="checkbox"/> • Conserving the wetlands of India <input type="checkbox"/> 	<ul style="list-style-type: none"> • Ex-situ and in-situ conservation <input type="checkbox"/> • Seed banks <input type="checkbox"/> • Zoos in biodiversity conservation <input type="checkbox"/> • Botanical gardens <input type="checkbox"/> • Protected areas <input type="checkbox"/> • State of protected areas in the world <input type="checkbox"/> • UNESCO Man and the Biosphere Program (MAB) <input type="checkbox"/> • Characteristics of biosphere reserves <input type="checkbox"/> <ul style="list-style-type: none"> ◦ International agreements for biodiversity conservation • Convention on Biological Diversity <input type="checkbox"/> • Cartagena Protocol <input type="checkbox"/> • Nagoya Protocol <input type="checkbox"/> • Aichi Biodiversity Targets <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Important Coastal and Marine Biodiversity Areas of India • Important Bird Areas (IBAs) of India <input type="checkbox"/> • Global Tiger Initiative <input type="checkbox"/> • Project Tiger <input type="checkbox"/> • Project Elephant <input type="checkbox"/> • Indian Rhino Vision <input type="checkbox"/> • Recovery Programme for Critically Endangered Species <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Use of indigenous knowledge for conserving biodiversity ◦ Seed village
<p>□ Biodiversity Basics</p> <ul style="list-style-type: none"> • Biodiversity <input type="checkbox"/> • Important kinds of biodiversity <input type="checkbox"/> • Degree of diversity in an ecosystem <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Endemic species • Keystone species <input type="checkbox"/> • Indicator species <input type="checkbox"/> • Invasive species <input type="checkbox"/> • Allopatric and sympatric speciation <input type="checkbox"/> • Bioinformatics <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Biodiversity distribution • Megadivers Countries <input type="checkbox"/> • Uses and values of biodiversity <input type="checkbox"/> • State of global biodiversity <input type="checkbox"/> • Threats to biodiversity <input type="checkbox"/> • Biodiversity Hotspots <input type="checkbox"/> • Eco-regions <input type="checkbox"/> • Role of traditional knowledge in biodiversity <input type="checkbox"/> • Biopiracy <input type="checkbox"/> • Extinction of species <input type="checkbox"/> • Mass extinction <input type="checkbox"/> • IUCN's classification scheme <input type="checkbox"/> • IUCN Red-List of Threatened Species <input type="checkbox"/> • Level of biodiversity in India <input type="checkbox"/> • Biogeographical classification of India <input type="checkbox"/> 	<p>□ Effect of Human Activities on Environment</p> <ul style="list-style-type: none"> • Effect of Modern Agriculture on Environment <input type="checkbox"/> • Effect of Housing on Environment <input type="checkbox"/> • Effect of Power Generation on Environment <input type="checkbox"/> • Effect of River Valley Projects (Water Resource Projects) on Environment <input type="checkbox"/> • Effect of Mining on Environment <input type="checkbox"/> • Effect of Transportation Activities on Environment <input type="checkbox"/> • Effect of Tourism on Environment <input type="checkbox"/> <p>□ Water Resource degradation</p> <ul style="list-style-type: none"> • Water Cycle (Hydrological Cycle) <input type="checkbox"/>

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

<ul style="list-style-type: none"> • Air-borne Diseases <input type="checkbox"/> • Toxic Substances: Toxicant, Toxicity and Toxicology <input type="checkbox"/> • Factors affecting toxicity <input type="checkbox"/> • Carcinogens <input type="checkbox"/> 	<ul style="list-style-type: none"> • Waste Management <input type="checkbox"/> • Biodegradable Plastics <input type="checkbox"/> • Green Train Corridors <input type="checkbox"/> • Oil Spill <input type="checkbox"/> • Solid Waste Management-Buffer Zone <input type="checkbox"/> • Other News <input type="checkbox"/> • Report of Parliamentary Committee on Forest Fires <input type="checkbox"/> • Urban Forestry Scheme <input type="checkbox"/> • Draft Notification to Regulate Pet Shops <input type="checkbox"/> • Ban on Import of Animal Skin <input type="checkbox"/> • River linking Project and Impact on Environment <input type="checkbox"/> • Algal Bloom Issue <input type="checkbox"/> • Illegal Salt Mining and its Impact <input type="checkbox"/> • India's Wetland Report, 2016 <input type="checkbox"/> • Deep Sea Mining <input type="checkbox"/> • Mass Coral Bleaching <input type="checkbox"/> • Ganga River Pollution <input type="checkbox"/>
<p><input type="checkbox"/> Solid Waste Management</p> <ul style="list-style-type: none"> • Sources of Solid Waste <input type="checkbox"/> • Effect of Solid Waste <input type="checkbox"/> • Control Measures of Solid Waste <input type="checkbox"/> • Solid Waste Management Rules <input type="checkbox"/> • Hazardous Waste Management (HWM) <input type="checkbox"/> 	<p><input type="checkbox"/> Environmental Impact Assessment</p> <ul style="list-style-type: none"> • Government Body which Executes EIA <input type="checkbox"/> • Environmental Effects Analysed under EIA <input type="checkbox"/> • Process of EIA <input type="checkbox"/> • EIA Ruling 1984 <input type="checkbox"/>
<p><input type="checkbox"/> Coastal Ecosystem Management</p> <ul style="list-style-type: none"> • Mangroves <input type="checkbox"/> • Salient features of Mangroves <input type="checkbox"/> • Importance of Mangroves <input type="checkbox"/> • Mangroves in India <input type="checkbox"/> • Mangroves under threats <input type="checkbox"/> • Legal and Regulatory Approaches for Protection <input type="checkbox"/> • Estuaries <input type="checkbox"/> • Importance of estuaries <input type="checkbox"/> • Threats to estuaries <input type="checkbox"/> • Coral Reefs <input type="checkbox"/> • Geographical Conditions Required <input type="checkbox"/> • Uses of coral reefs <input type="checkbox"/> • Conservation of coral reef <input type="checkbox"/> • Steps for Coastal Ecosystem <input type="checkbox"/> • Management <input type="checkbox"/> 	<p><input type="checkbox"/> Environmental Laws</p> <ul style="list-style-type: none"> • Environmental Laws: Provisions in the Indian Constitution towards Environmental Protection <input type="checkbox"/> • Salient Features of Air (Prevention and Control of Pollution) Act, 1981 <input type="checkbox"/> • Salient Features of Water (Prevention and Control of Pollution) Act, 1974 <input type="checkbox"/> • Salient features of Forest Conservation Act, 1980 <input type="checkbox"/> • Salient Features of Wildlife Protection Act, 1972 <input type="checkbox"/> • Salient Features of Environment (Protection) Act, 1986 <input type="checkbox"/> • Role of Government in Environmental Protection <input type="checkbox"/>
<p><input type="checkbox"/> Recent developments</p> <ul style="list-style-type: none"> • Air Pollution <input type="checkbox"/> • Report on Air Pollution <input type="checkbox"/> • Bharat Stage Emission Standards <input type="checkbox"/> • Polluters Pay Model <input type="checkbox"/> • Household Air Pollution <input type="checkbox"/> • Open Waste Burning and its Impact <input type="checkbox"/> • Graded Response Action Plan on Pollution <input type="checkbox"/> • UN Sets Limits on Global Airline Emissions <input type="checkbox"/> 	

Environment related Institutions and Organizations

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

Schemes

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

International Environmental Governance

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

Basics of Climate change

- Green House Effect and Global Warming
- Global Climate Change: International Efforts to Control Global Warming or Global Climate Change

- Ozone Layer Depletion or Ozone Hole
- Acid Rain
- El Nino
- La Nina

Urbanization and climate

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

Impact of agriculture on climate

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

Global Warming & Health

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

BIODIVERSITY, ENVIRONMENT CONSERVATION AND DISASTER MANAGEMENT OF ODISHA

- Biodiversity & Environment conservation in Odisha
- Environmental impact assessment in Odisha
- Disaster Management in Odisha

- State Institution
 - Odisha state disaster management authority.
 - Odisha disaster rapid action force

CONTEMPORARY ISSUES

- Threat to Biomes and their conservation
- Relevance of International Conventions in protecting Environment
- Wetland and coasted region conservation in India
- Impact of National Hydrogen Mission
- Plastic Pollution, Plastic Pollution Waste management Rules, 2021 and 2022
- Causes and Impacts of Land Degradation
- Sustainable Land Management measures in India.
- Issues with EIA process in India
- Landslides And Fragile Ecosystem Of Hilly States
- Cyclone And Its Impact On Coastal Women
- Marine Heat Waves And Its Impact On Marine Biodiversity
- Role of Local Self-Government in Disaster Management
- Role of the GIS and Information Technology in Disaster Management
- Environment driven taxes
- Artificial Intelligence and its climate cost
- India's Renewable sector (Wind Project addition to peak by 2024)
- Access to a clean, healthy environment, a universal right
- Agro-forestry and its socio-economic impact
- Man-Animal Conflict
- Green Investments and Sustainability
- Balancing Global Nutrition and Climate Change
- Indian solar-power dream
- Biofuels and E20 fuel
- Nord stream and hazardous methane release
- The UN High Seas Treaty drafted
- Energy Conservation Act Amendment and Carbon market
- Global Biodiversity Framework
- The Wildlife Protection Act 2022 and its relevance
- Carbon Border Adjustment Mechanism



INTERNAL SECURITY

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

INTERNAL SECURITY OF ODISHA

<p>□ Left wing extremism in Odisha</p> <ul style="list-style-type: none"> • Reason <input type="checkbox"/> • Initiative by Govt. of Odisha <input type="checkbox"/> 	<ul style="list-style-type: none"> • Odisha industrial security force (OISF) <input type="checkbox"/> • Odisha disaster Auxiliary police force <input type="checkbox"/> • Odisha state vigilance <input type="checkbox"/> • Odisha Police <input type="checkbox"/> • CCID, Crime Security <input type="checkbox"/> • Odisha fire service <input type="checkbox"/> • Odisha State Intelligence Bureau (SBI) <input type="checkbox"/>
<p>□ Various security forces and agencies in Odisha and their mandate:</p> <ul style="list-style-type: none"> • Odisha special armed police (OSAP) <input type="checkbox"/> 	

CONTEMPORARY ISSUES

- | | |
|---|--|
| <ul style="list-style-type: none"> • Drug trafficking and Narcoterrorism emerge as a national threat for India • Growing insurgency in different states of India • De-Radicalization in India • Contemporary challenges in terrorism like religious indoctrination via social media • Left Wing Extremism and Insurgency in J&K • Technological Dependence on Other Nations and its impact on India's technological security • Modernisation Fund for Defence and Internal Security • The Dark Web and associated Regulatory Challenges | <ul style="list-style-type: none"> • Coastal Security challenges for India • Police Reform with Respect to Cyber Security • India's National Cyber Security Strategy • Big-Techs & weaponisation of Internet • India's Coastal Security & its significance • AFSPA and the 'debate' on its need • Integration of Central Agencies with CCTNS • Inter-operable Criminal Justice System (ICJS) • Crypto currency and National Security • Terrorism, the biggest violator of 'human rights' • Medical devices and cyber-attack threats |
|---|--|

- Exclusive Economic Zone and India's Maritime Governance
- Role of CAPF (paramilitary forces) in internal security
- Frequent changes in anti-terror laws
- Smart Fencing (Border Management)
- Insurgency in North East
- Money Laundering
- Drug abuse problem in border areas



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

□ 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

- 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

<p>□ Ethics Basic Introduction</p> <ul style="list-style-type: none"> • Dimensions of Ethics <input type="checkbox"/> • Essence of Ethics <input type="checkbox"/> • Approaches of Ethical Study as Indian Perspective and Western Perspective <input type="checkbox"/> • Basic concept of ethics morality and value <input type="checkbox"/> • Ethics in public life <input type="checkbox"/> • Ethics in Economic Life <input type="checkbox"/> • Freedom and Discipline <input type="checkbox"/> • Duties and Rights <input type="checkbox"/> • Virtue Ethics <input type="checkbox"/> • Consequences of Ethics in Human Actions <input type="checkbox"/> • Values and Ethics in Government: <input type="checkbox"/> • Contribution of Family in Value Education <input type="checkbox"/> <p>□ Human Values</p> <ul style="list-style-type: none"> • Human value & Socialization <input type="checkbox"/> • Individual Personality and Value <input type="checkbox"/> • Values and Skill <input type="checkbox"/> • Fundamental and Instrumental Values <input type="checkbox"/> • Democratic values <input type="checkbox"/> • Role of ethical value in governance and society <input type="checkbox"/> • Significance of value in Civil Services <input type="checkbox"/> • Contribution of Society in Inculcating Values <input type="checkbox"/> • Role of Educational Institutions in Inculcating Values <input type="checkbox"/> • Aesthetic values <input type="checkbox"/> • Values in work life and professional ethics <input type="checkbox"/> 	<p>□ Aptitude and foundational values of civil services</p> <ul style="list-style-type: none"> • Essential Aptitude for civil servants <input type="checkbox"/> • Foundational Values of Civil Services <input type="checkbox"/> • Neutrality <input type="checkbox"/> • Anonymity <input type="checkbox"/> • Civil Services Accountability <input type="checkbox"/> • Integrity <input type="checkbox"/> • Humility <input type="checkbox"/> • Adaptability <input type="checkbox"/> • Magnanimity <input type="checkbox"/> • Perseverance <input type="checkbox"/> • Impartiality and Non-Partisanship <input type="checkbox"/> • Tolerance and compassion for the weaker section <input type="checkbox"/> • Contribution to society <input type="checkbox"/> <p>□ India & World Thinkers/Leaders/Administrators</p> <ul style="list-style-type: none"> • Mahatma Gandhi <input type="checkbox"/> • Dr. S. Radhakrishnan <input type="checkbox"/> • Rabindranath Tagore <input type="checkbox"/> • Swami Dayanand Saraswati <input type="checkbox"/> • Mahadeva Govinda Ranade <input type="checkbox"/> • Sri Aurobindo <input type="checkbox"/> • Swami Vivekananda <input type="checkbox"/> • Sardar Patel <input type="checkbox"/> • Buddha Bhim Rao Ambedkar <input type="checkbox"/> • Raja Ram Mohan Roy <input type="checkbox"/> • Chhatrapati Shahu Maharaj <input type="checkbox"/> • Mother Teresa <input type="checkbox"/> • Amitabha Chowdhury <input type="checkbox"/> • Aruna Roy <input type="checkbox"/>
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- 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"> • Components of Emotional Competencies <input type="checkbox"/> • The Self-Awareness Cluster: Understanding Feelings and Accurate Self-Assessment <input type="checkbox"/> • The Self-Management Cluster: Managing Internal States, Impulses, and Resources <input type="checkbox"/> • The Social Awareness Cluster: Reading People and Groups Accurately <input type="checkbox"/> • The Relationship Management Cluster: Inducing Desirable Responses in Others <input type="checkbox"/> • Importance of Emotional Intelligence at Workplace <input type="checkbox"/> • Importance of Emotional Intelligence in <input type="checkbox"/> Civil Services <input type="checkbox"/> 	<ul style="list-style-type: none"> • Information Sharing, Transparency and Right to Information <input type="checkbox"/> • Flaws in RTI and recommendations for improvement <input type="checkbox"/> • Importance of vigilant citizens <input type="checkbox"/> • Information sharing and participation <input type="checkbox"/> • Importance of Code of ethics <input type="checkbox"/> • Code of Ethics in Professions <input type="checkbox"/> • Code of Conduct for Ministers; for Legislators; for Civil Servants; for Regulators and for the Judiciary <input type="checkbox"/> • Components of a Citizen Charter <input type="checkbox"/> • Steps in formulation of a Citizen's Charter <input type="checkbox"/> • Concept of Work Culture <input type="checkbox"/> • The Indian Approach to Work <input type="checkbox"/> • Methods of improving Work Culture <input type="checkbox"/> • Quality of Service Delivery <input type="checkbox"/> • Utilisation of Public Funds <input type="checkbox"/> • Problems in Fund Release and Utilization <input type="checkbox"/> • Parliamentary Control on Expenditure <input type="checkbox"/> • Corruption in India: extent, dimension, and response <input type="checkbox"/> • Corruption as a Social Evil <input type="checkbox"/> • Probity in public life Corrupt practice among civil servants and official misconduct <input type="checkbox"/> • Exposing corruption: Civil Society initiatives and role of Whistleblower Act <input type="checkbox"/> • Tackling corruption: Role of government and institutions of governance <input type="checkbox"/> • Controlling corruption: Various approaches and efficacy <input type="checkbox"/>
<p>□ Values & Ethics in Public Administration</p> <ul style="list-style-type: none"> • Ethical Concerns in Public Institution <input type="checkbox"/> • Ethical Concerns in Private Institutions <input type="checkbox"/> • Ethical Dilemmas in Public and Private Institutions <input type="checkbox"/> • Laws, Rules and Regulations as Source of Ethical Guidance <input type="checkbox"/> • Accountability and Ethical Governance Strengthening of Ethical and Moral Values in Governance <input type="checkbox"/> • Moral Judgements in International Relations <input type="checkbox"/> • Ethical Relation in Funding International Relations and concept of Moral Responsibility <input type="checkbox"/> • Ethics in working of international organizations <input type="checkbox"/> • What is Corporate Governance? <input type="checkbox"/> • Models of Corporate Social Responsibility <input type="checkbox"/> • Steps taken by World Bank for Good Corporate Governance <input type="checkbox"/> • Norms for Corporate Government in India <input type="checkbox"/> • Concept of business ethics <input type="checkbox"/> 	<p>□ Applied Ethics</p> <ul style="list-style-type: none"> • Euthanasia Issue <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Social and Ethical Angle <input type="checkbox"/> ◦ Different arguments related to Euthanasia <input type="checkbox"/> ◦ Conclusion <input type="checkbox"/> • Surrogacy <input type="checkbox"/> <ul style="list-style-type: none"> ◦ Case study <input type="checkbox"/>
<p>□ Probity in Governance</p> <ul style="list-style-type: none"> • Concept of Public Service <input type="checkbox"/> • Philosophical basis of Governance and Probity <input type="checkbox"/> 	

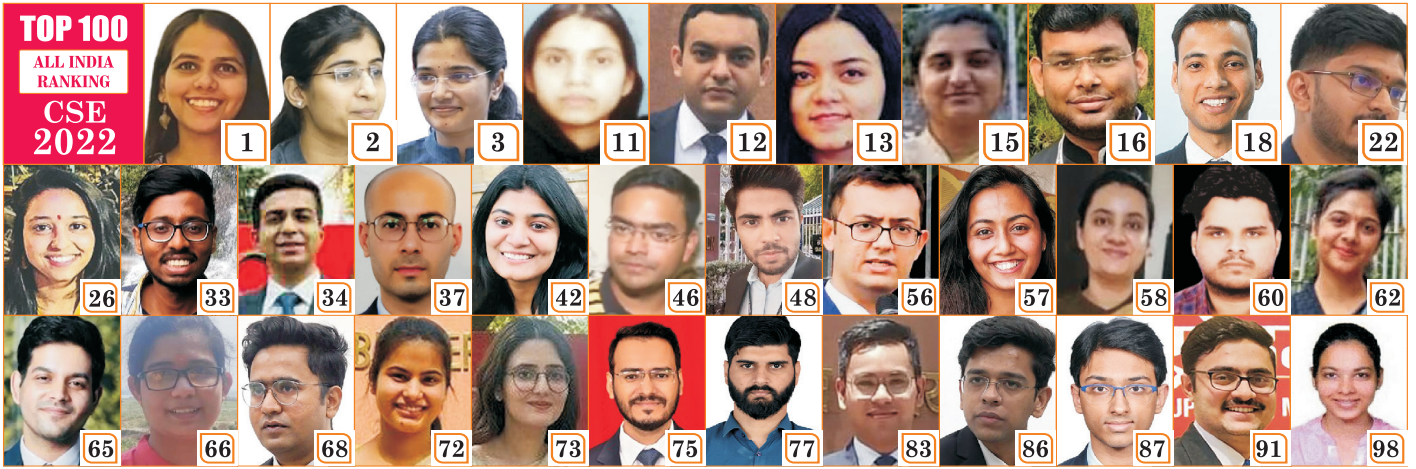
○ Issues	<input type="checkbox"/>	○ Conclusion	<input type="checkbox"/>
○ Ethical Issues	<input type="checkbox"/>	● Refugees & Ethics	<input type="checkbox"/>
○ Concept of ethical surrogacy	<input type="checkbox"/>	○ Why Migration occurs?	<input type="checkbox"/>
○ Conclusion	<input type="checkbox"/>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

- | | |
|---|---|
| <ul style="list-style-type: none"> ○ Environmental Ethics ○ Ethical issues in child born out of IVF ○ Work Ethics & Moonlighting ○ Ethics of public interest litigation | <ul style="list-style-type: none"> ○ Abortion: Moral or Immoral ○ Influence of Opinion poll ○ Ethical dilemmas related to war (Just War Theory) ○ Ethical issues in Surrogacy |
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SUCCESS IS A PRACTICE WE DO!

