

# **UPSC Syllabus (Explained)**

## **Micro Topics Listing**

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**Pre cum Mains**

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# History

## ANCIENT HISTORY

### 1. Pre Historic Cultures In India

- ▶ Periodization of Indian pre history ☐
- ▶ Sources of pre history ☐
- ▶ Stone age ☐
  - Paleolithic (2 million BC – 10,000 BC) ☐
  - Mesolithic (10,000 BC – 8,000 BC) ☐
  - Paleolithic (8000 BC – 4000 BC) ☐
- ▶ Chalcolithic Age (4000 BC – 1500 BC) ☐
- ▶ Iron age (1500 BC-200 BC) ☐
- ▶ Impact of Iron ☐

### 2. Pastoral and Farming Communities

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

### 3. Indus Valley Civilization

- ▶ Major cities ☐
- ▶ Town Planning ☐
- ▶ Harappan Trade ☐
- ▶ Agriculture ☐
- ▶ Domestication of animals ☐
- ▶ Crafts ☐
- ▶ Religion ☐
- ▶ Harappan Pottery ☐
- ▶ Weights and Measures ☐
- ▶ Script and Language ☐
- ▶ Images ☐
- ▶ Decline of Harappan Culture ☐

### 4. Vedic Society

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

### 5. Pre Mauryan Period

- ▶ Formation of states ☐
- ▶ The Sixteen Mahajanapadas ☐
- ▶ Republics ☐
- ▶ Rise of urban centres ☐
- ▶ Haryanka dynasty ☐
- ▶ Shishunaga dynasty ☐
- ▶ Nanda dynasty ☐

### 6. The Mauryan Empire

- ▶ Chandragupta and Bindusara ☐
- ▶ Megasthenes ☐
- ▶ Asoka and His Successors ☐
- ▶ Asoka's Inscriptions and Sites ☐
- ▶ Asoka's Dhamma ☐
- ▶ Mauryan. Administration, Economy, Society and Art ☐
- ▶ The Arthashastra ☐

### 7. Post-Mauryan India (sc 200-AD 300)

- ▶ Society: Evolution of Jatis ☐
- ▶ Sangam Texts-and Society ☐

- ▶ Satavahanas and Other Indigenous Dynasties ☐
- ▶ Foreign Dynasties ☐
- ▶ Commercial Contacts with the Outside World ☐
- ▶ Schools of Art ☐

## 8. Growth of Jainism and Buddhism

- ▶ Jainism ☐
- ▶ Buddhism ☐

## 9. Imperial Guptas

- ▶ Sources of Gupta Rule ☐
- ▶ Political history of Guptas ☐
- ▶ Fahien ☐
- ▶ Gupta Administration ☐
- ▶ Gupta Culture ☐
- ▶ Urban centres in Gupta period ☐

- ▶ Economic Conditions ☐

## 10. Harshavardana

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

## 11. The Southern Dynasties

- ▶ The Shatavahanas (230 BC TO AD 225) ☐
- ▶ The Pallavas (AD 330–796) ☐
- ▶ The Chalukyas (AD 535–1190) ☐
- ▶ The Pandyas of Madurai (AD 590–1323) ☐

# MEDIEVAL INDIA

## 1. Central Asian Politics and the Advance of Babur towards India

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

## 2. 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 ☐

## 3. 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 ☐

## 4. The Establishment of the North Indian Empire

- ▶ The Surs ☐
- ▶ 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 ☐

## 5. Consolidation and Expansion of the Empire - Akbar

- ▶ Conflict with the Afghans - Hemu ☐
- ▶ Struggle with the Nobility: Bairam Khan's ☐
- ▶ Regency; Revolt of Uzbek Nobles ☐
- ▶ Early Expansion of the Empire (1560-76) - Malwa, Garh-Katanga, Rajasthan, Gujarat, Eastern India ☐
- ▶ Relations with the Rajputs - Growth of a Composite Ruling Class ☐
- ▶ Rebellions, and Further Expansion of the Empire in the North West ☐

## 6. State and Government under Akbar

- ▶ Akbar's Concept of Suzerainty ☐
- ▶ Structure of Government, Central and Provincial - the Vikalat, the Central Ministries, Provincial ☐
- ▶ Government, District and Local Government ☐
- ▶ The Working of Government - the Ruler, ☐

Land-Revenue System, the Dahsala System, the Mansabdari

- System and the Army

## 7. Akbar's Religious Views

- ▶ Relations with the Ulama and Social Reforms
- ▶ The Early Phase (1556-73)
- ▶ The Second Phase (1573-80) - the Ibadat Khana
- ▶ Debates - the Mahzar - Breach with Orthodox
- ▶ Ulama - Re-organisation of Madadd-i-Maash Grants
- ▶ Third or Final Phase - Din-i-Ilahi - State
- ▶ Policies and religious toleration

## 8. The Deccan and the Mughals (Upto 1657)

- ▶ The Deccani States upto 1595
- ▶ Mughal Advance towards the Deccan
- ▶ Mughal Conquest of Berar, Khandesh and Parts of Ahmadnagar
- ▶ Rise of Malik Ambar, and Frustration of
- ▶ Mughal Attempt at Consolidation (1601-27)
- ▶ Extinction of Ahmadnagar, Acceptance of Mughal
- ▶ Suzerainty by Bijapur and Golconda
- ▶ Shah Jahan and the Deccan (1636-57)
- ▶ Cultural Contribution of the Deccani States

## 9. Foreign Policy of the Mughals

- ▶ Akbar and the Uzbeks
- ▶ The Question of Qandahar and Relations with Iran
- ▶ Shah Jahan's Balkh Campaign
- ▶ Mughal - Persian Relations - the Last Phase

## 10. India in the First Half of the Seventeenth Century

- ▶ Jahangir's Accession - his Early Difficulties
- ▶ Territorial Consolidation and Expansion of the Empire - Mewar, East India and Kangra
- ▶ Nur Jahan, and the Nur Jahan 'Junta'
- ▶ The Rebellions of Shah Jahan, and the coup de main of Mahabat Khan
- ▶ Jahangir as a Ruler

- ▶ State and Religion in the First Half of the Seventeenth Century
- ▶ Shah Jahan - Consolidation and Expansion of the Empire
- ▶ Evolution of the Mughal Ruling Class and the Mansabdari System

## 11. Aurangzeb - Religious Policies, North India and the Rajputs

- ▶ War of Succession
- ▶ Religious Policy : First Phase (1658-79)
- ▶ Reforms and Puritanical Measures, Hindu
- ▶ Temples, Jizyah; Second Phase (1679-1707)
- ▶ Territorial Consolidation and Expansion of Empire - North India
- ▶ Popular Revolts - Jats, Satnamis, Afghans and Sikhs
- ▶ Breach with Marwar and Mewar

## 12. Climax and Crisis of the Mughal Empire the Marathas and the Deccan

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

## 13. Society-Structure and Growth

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

## 14. Economic Life-Patterns and Prospects

- ▶ Inland Trade
- ▶ Overseas Trade - Role of Foreign Trading
- ▶ Companies - Position of Indian Merchants Over-land Trade

- ▶ The Mughal State and Commerce ☐
- ▶ Trend of India's Economy and Prospects during the First Half of the Eighteenth Century ☐

### 15. Religion, Fine Arts, Science and Technology

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

### 16. Northern India in the First Half of the Eighteenth Century

- ▶ Bahadur Shah I, and the Beginning of the Struggle ☐
- ▶ For Wizarat - Rajput Affairs - Marathas and the ☐
- ▶ Deccan - Accentuation of the Party Struggle ☐

- ▶ Struggle for 'New' Wizarat: Zulfiqar Khan and Jahandar Shah (1712-13) ☐
- ▶ The Saiyid Brothers' Struggle for 'New' Wizarat ☐
- ▶ The Saiyid 'New' Wizarat ☐
- ▶ The Wizarat of M. Amin Khan and Nizam-ul-Mulk ☐
- ▶ Rise of Regional States, Beginning of Foreign Invasions of India (1725-48) ☐

### 17. The Maratha Bid for Supremacy

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

## MODERN HISTORY

### 1. Scenario before 1857

- ▶ Later Mughals ☐
- ▶ Regional powers in 18th Century ☐
- ▶ The British conquest of India ☐
- ▶ The wars during British conquest of India ☐
- ▶ British Administration before 1857 ☐

### 2. Revolt of 1857

- ▶ Indian National Movement (1858-1905) ☐
- ▶ Early Nationalists and Swadeshi Movement ☐
- ▶ Government of India Act 1909 ☐
- ▶ Home rule league movement ☐

### 3. The struggle for Swaraj

- ▶ Montague's statement – Aug 1917 ☐
- ▶ Emergence of Gandhi – as a mass leader ☐
- ▶ Khilafat & non-Cooperation Movement (NCM) ☐
- ▶ Swaraj party ☐
- ▶ Revolutionary Terrorism phase II (1920's) ☐
- ▶ Simon Commission and Nehru report ☐

### 4. Intimation of freedom

- ▶ Civil Disobedience Movement ☐
- ▶ Round table conference ☐
- ▶ Poona pact ☐
- ▶ Government of India Act 1935 ☐
- ▶ Tripuri session – 1939 ☐
- ▶ August offer ☐
- ▶ Individual Satyagraha 1940-41 ☐

### 5. Towards achievement of freedom

- ▶ Popular struggles in the princely states ☐
- ▶ 2nd World War and Nationalist response ☐

### 6. Partition of India

- ▶ Rise of Communalism ☐
- ▶ Wavell plan ☐
- ▶ Cabinet Mission Plan ☐
- ▶ Mountbatten plan ☐

### 7. During the freedom struggle

- ▶ Indian renaissance/socio-religious movement ☐
- ▶ Civil Rebellions during British ☐
- ▶ Tribal movements during British period ☐
- ▶ Peasant's movement during British period ☐

- ▶ Working class Movement (1850-1900) ☐
- ▶ Growth of communalism ☐
- ▶ Left and communist trends in National Movement ☐
- ▶ Press and education during British period ☐
- ▶ Role of women in Freedom Struggle ☐

- ▶ Governor generals of India ☐
- ▶ Viceroy of India ☐
- ▶ Important persons ☐
- ▶ Important news paper/journals ☐
- ▶ Congress sessions ☐

## POST INDEPENDENCE INDIA

### 1. Re-organisation of states

- ▶ Constitutional provisions related to State formation ☐
- ▶ Factors that lead to merger ☐
- ▶ Accession of the princely states ☐
- ▶ Accession of States under France and Portuguese ☐
- ▶ Accession of Sikkim ☐
- ▶ Rehabilitation of the Refugees ☐
- ▶ Federal crisis ☐
- ▶ Regional aspirations, insurgencies and areas of tension ☐
- ▶ Accommodation and national integration ☐

### 2. Linguistic Regionalism In India

- Constitutional position and language policy ☐
- Language and regionalism ☐
- Recent controversy due to rise of Hindi ☐

### 3. Tribal Issue And Policy Consolidation

- ▶ Issues & Present Status ☐
- ▶ Policy consolidation ☐

### 4. Issue Of Women And Evolution Of Women Movement

- ▶ Issues & challenges ☐
- ▶ Women movements ☐
- ▶ Government policy response and legislation ☐
- ▶ Governmental schemes ☐

### 5. Problem Of Caste And Social Consolidation

- ▶ Caste practices in India ☐
- ▶ Ambedkar Movement ☐
- ▶ Constitutional provisions ☐
- ▶ Recent government initiatives for emancipation of Scheduled Castes ☐
- ▶ Issues of Manual Scavenging ☐

### 6. Communalism & Social Consolidation

- ▶ Secularism ☐
- ▶ Causes of Communalism in India ☐
- ▶ Consequences of the communalism and social consolidation ☐

### 7. Issue Of Linguistic Minorities

- ▶ Operational Inefficiency ☐
- ▶ Government initiatives ☐

### 8. Overview Of Economic Development Since Independence

- ▶ Planning in India ☐

### 9. Agriculture

- ▶ Industry ☐
- ▶ Service sector ☐
- ▶ Current challenges facing the Indian economy ☐
- ▶ Agriculture ☐
- ▶ Journey through Five Year Plans ☐
- ▶ Land Reforms ☐
- ▶ Post Green Revolution Agricultural Issues ☐
- ▶ Agrarian Movements ☐
- ▶ Achievements in Agriculture Since Independence ☐
- ▶ Recent Challenges ☐

### 10. Industry

- ▶ Industrial development since independence ☐
- ▶ Public sector since independence ☐
- ▶ Sectoral Development ☐
- ▶ Private Sector since Independence ☐
- ▶ Industrial Policy since Independence ☐
- ▶ Make in India ☐

### 11. New Economic Policy

- ▶ Impact of New Economic Policy ☐

## 12. Post Independence Policy Of Science And Technology

- ▶ India's Policy in the Field of the Science and Technology ☐
- ▶ Institutional Framework for Science and Technology Development ☐

- ▶ Science and Technology In Pre- Reform Period ☐
- ▶ Impact of Economic Reform on the Science and Technology in India: ☐
- ▶ New Policy Initiatives in the S&T ☐
- ▶ Agenda of the Skill Training ☐

# WORLD HISTORY

## 1. Beginning of Modern Age

- ▶ Disintegration of the Feudal System ☐
- ▶ Renaissance ☐
  - Humanism ☐
  - Art and Architecture ☐
  - Literature ☐
  - Science ☐
  - Reformation etc. ☐
- ▶ Explorations, Discovery, Trade ☐
- ▶ Colonization – Rise of Nation State ☐
- ▶ The English Revolution ☐

## 2. French Revolution

- ▶ Causes ☐
- ▶ The revolution in France ☐
- ▶ France under Napoleon ☐
- ▶ Impact of revolution ☐
- ▶ Significance of revolution ☐

## 3. Nationalism in Europe

- ▶ Rise of the nation- state system ☐
- ▶ Unification of Italy ☐
- ▶ Unification of Germany ☐

## 4. Colonialism and Imperialism

- ▶ Colonialism ☐
- ▶ The age of Imperialism (1870-1914) ☐
- ▶ Imperialism in Asia ☐
- ▶ Analysis of Colonialism ☐

## 5. Emergence of USA

- ▶ Foundation of American Colonies ☐
- ▶ The Independence of United States of America ☐
- ▶ The American Revolutionary War ☐
- ▶ What was the impact of ☐

### American Revolution?

- ▶ Political Effects of the Revolution ☐
- ▶ How did the American Revolution influence the French Revolution? ☐
- ▶ US Civil War ☐
- ▶ Impact of Civil War on USA ☐
- ▶ Global Impact of US Civil War ☐
- ▶ Impact on India ☐

## 6. World War-I

- ▶ Major causes of the war ☐
- ▶ Course of the war ☐
- ▶ Analysis of major events of the war ☐
- ▶ Consequences of World War I ☐
- ▶ Aftermath of World War I ☐
- ▶ League of Nations ☐

## 7. Russian Revolution

- ▶ Major events in pre-revolution Russia ☐
- ▶ Causes ☐
- ▶ Course of revolution ☐
- ▶ Consequences ☐
- ▶ Aftermath of the war ☐
- ▶ Post-Lenin Russia ☐

## 8. Inter-War Years (1919 To 1939)

- ▶ The Great Depression ☐
- ▶ The Great Depression- an economic perspective ☐
- ▶ Rise of Fascism in Italy ☐
- ▶ Rise of Nazism in Germany ☐
- ▶ Soviet Union (USSR) ☐

## 9. World War- II

- ▶ Foundations of the war ☐
- ▶ Course of the war ☐
- ▶ Aftermath of war ☐

- ▶ Analysis of the war ☐
- ▶ Decolonization phase ☐

### 10. Development In Middle East

- ▶ Democratic reforms in Middle East ☐
- ▶ Arab nationalism ☐
- ▶ Israel ☐

### 11. Cold War

- ▶ Reasons ☐
- ▶ Development of Cold War (1945-1953) ☐
- ▶ To what extent was there a there thaw after 1953? ☐
- ▶ Nuclear Arms Race and the Cuban Missile ☐

Crisis (1962)

### 12. Post Cold-War World

- ▶ Global issues since 1991 ☐
- ▶ Integration of Europe ☐
- ▶ European integration- a timeline ☐
- ▶ Rise of global Islamic terrorism ☐
- ▶ Rise of China ☐

### 13. Communism, Socialism and Capitalism

- ▶ Capitalism (concept, types and example) ☐
- ▶ Communism (concept, types, example) ☐
- ▶ Relevance of capitalism in present era ☐

## INDIAN CULTURE

### 1. Visual Art

- ▶ Sculptures of Harappan Civilisation ☐
- ▶ Sculptures of Mauryan Age ☐
- ▶ Post-Mauryan Period ☐
- ▶ Jain Sculptures ☐
- ▶ Buddhist Sculpture ☐
- ▶ Gupta Sculpture ☐
- ▶ Medieval School of Sculpture ☐
- ▶ Modern Indian Sculpture ☐

### 2. Architecture in Ancient India

- ▶ Harappan Period ☐
- ▶ Mauryan Architecture ☐
- ▶ Post-Mauryan Period ☐
- ▶ Gupta Period ☐
- ▶ Temples of Khajuraho ☐
- ▶ Temples of Odisha ☐
- ▶ Temples of Gwalior ☐
- ▶ Temples of Gujarat ☐
- ▶ Temples of Rajasthan ☐
- ▶ Temples of Bengal ☐
- ▶ Temples of Assam ☐
- ▶ Temples of Himachal Pradesh ☐
- ▶ Temples of Jammu and Kashmir ☐
- ▶ Pallava Period ☐
- ▶ Chola Period ☐
- ▶ Pandya Temples ☐
- ▶ Vijaynagar Period ☐
- ▶ NayakaTemples ☐

- ▶ Temples of Kerala ☐
- ▶ Vesara Style ☐
- ▶ Hoysala Style ☐
- ▶ Rashtrakuta Period ☐

### 3. Indo-Islamic Architecture

- ▶ Imperial Style (Delhi Sultanat) ☐
- ▶ Provincial Style ☐
- ▶ Mughal Style ☐
- ▶ Sikh Style of Architecture ☐
- ▶ Rajput Architecture ☐
- ▶ Salient features ☐

### 4. Modern Architecture

- ◉ European Influence ☐
- ◉ Indo-Saracenic Architecture ☐
- ◉ Post-Independence Period ☐

### 5. Indian Paintings

- ▶ Tradition of Mural Paintings in India ☐
- ▶ Tradition of Miniature Paintings in India ☐
- ▶ Paintings in the Deccan ☐
- ▶ Rajput School of Painting ☐
- ▶ Pahari School of Painting ☐
- ▶ Miniature Painting in South India ☐
- ▶ Regional Paintings ☐
- ▶ Modern Paintings ☐
- ▶ Contemporary Paintings ☐

### 6. Pottery Tradition in India

- ▶ Ochre:Coloured Pottery(OCP) ☐
- ▶ Black and Red Ware (BRW) ☐
- ▶ Painted GreyWare (PGW) ☐
- ▶ Northern Black Polished Ware (NBPW) ☐
- ▶ Glazed and Unglazed Pottery ☐

## 7. Music in India

- ▶ Main Pillars of Indian Music ☐
- ▶ Forms of Indian Music ☐
- ▶ Musical Instruments ☐
- ▶ Institutions Related to Music ☐

## 8. Dances in India

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

## 9. Martial Arts in India

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

## 10. Indian Theatre

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

## 11. Indian Puppetry

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

## 12. Indian Cinema

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

## 13. Religions in India

- ▶ Pre-Vedic Religion ☐
- ▶ Hinduism ☐
- ▶ Buddhism ☐

- ▶ Jainism ☐
- ▶ Sikhism ☐
- ▶ Islam ☐
- ▶ Christianity ☐
- ▶ Zoroastrianism ☐
- ▶ Judaism ☐
- ▶ Philosophy in India ☐

## 14. Bhakti & Sufi Movements

- ▶ Bhakti Movement ☐
- ▶ Vaishnava Acharayas:Metaphysical Foundatio ☐
- ▶ Other Saints of Bhakti Movement ☐
- ▶ Maharashtra Dharma ☐
- ▶ Sufism ☐

## 15. 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 Literatur ☐
- ▶ Hindi Literature ☐
- ▶ Persian Literature ☐
- ▶ Urdu Literature ☐

## 16. 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 ☐

## 17. Recent developments

- |                                                                      |                          |                                                                                                |                          |
|----------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------|--------------------------|
| ▶ Schemes for Cleanliness of Tourist Places                          | <input type="checkbox"/> | ◦ National Mission on Monuments and Antiquities                                                | <input type="checkbox"/> |
| ◦ Swachh Bharat - Swachh Smarak                                      | <input type="checkbox"/> | ◦ National Mission on Manuscripts                                                              | <input type="checkbox"/> |
| ◦ Swachh Bharat - Swachh Pakwan (Hunar Zaika)                        | <input type="checkbox"/> | ◦ National Mission on Libraries                                                                | <input type="checkbox"/> |
| ◦ 'Swachh Bharat - Swachh Paryatan'                                  | <input type="checkbox"/> | ◦ Gandhi Heritage Sites Mission                                                                | <input type="checkbox"/> |
| ◦ Swachh Smarak Swachh Bharat' app                                   | <input type="checkbox"/> | ▶ International Initiatives for Cultural Development and Recognition                           | <input type="checkbox"/> |
| ▶ National Tourism Policy, 2015                                      | <input type="checkbox"/> | ◦ Project Mausam                                                                               | <input type="checkbox"/> |
| ▶ Schemes for Development of Cultural Heritage                       | <input type="checkbox"/> | ◦ International Buddhist Conclave                                                              | <input type="checkbox"/> |
| ◦ Sanskriti App                                                      | <input type="checkbox"/> | ◦ World's Heritage                                                                             | <input type="checkbox"/> |
| ◦ Cultural Mapping of India                                          | <input type="checkbox"/> | ◦ UNESCO inscribes Yoga in the representative list of Intangible Cultural Heritage of Humanity | <input type="checkbox"/> |
| ◦ Cultural Heritage Youth Leadership Programme                       | <input type="checkbox"/> | ◦ UNESCO Creative Cities Network                                                               | <input type="checkbox"/> |
| ◦ Preservation of Cultural Heritage of Himalayas                     | <input type="checkbox"/> | ◦ UNESCO Global Geopark                                                                        | <input type="checkbox"/> |
| ◦ Nearly 100 Monuments Identified for Portal on "Must-See Monuments" | <input type="checkbox"/> | ▶ National Virtual Library of India                                                            | <input type="checkbox"/> |
| ▶ Schemes for Monument Development                                   | <input type="checkbox"/> | ◦ Animal Sports in India                                                                       | <input type="checkbox"/> |
| ◦ HRIDAY                                                             | <input type="checkbox"/> | ◦ Jallikattu                                                                                   | <input type="checkbox"/> |
| ◦ SWADESH DARSHAN                                                    | <input type="checkbox"/> | ◦ Kambala                                                                                      | <input type="checkbox"/> |
| ◦ PRASAD SCHEME                                                      | <input type="checkbox"/> | ◦ Bulbul Fight                                                                                 | <input type="checkbox"/> |
| ◦ Adarsh Smarak Yojana                                               | <input type="checkbox"/> | ◦ Bullock Cart Racing                                                                          | <input type="checkbox"/> |
| ◦ Monuments of National importance                                   | <input type="checkbox"/> | ▶ GI Tag                                                                                       | <input type="checkbox"/> |
| ▶ Cultural Scheme Monitoring System                                  | <input type="checkbox"/> | ◦ Definition:                                                                                  | <input type="checkbox"/> |
| ▶ Schemes for promotion of Culture                                   | <input type="checkbox"/> | ◦ GI vs. Trademark                                                                             | <input type="checkbox"/> |
| ◦ Culture Ministry To Grade Artists, Writers For Selection Process   | <input type="checkbox"/> | ◦ Rights under GI                                                                              | <input type="checkbox"/> |
| ◦ Schemes for Serious Literature and Litterateurs                    | <input type="checkbox"/> | ◦ Famous Goods                                                                                 | <input type="checkbox"/> |
|                                                                      |                          | ◦ Latest addition                                                                              | <input type="checkbox"/> |
|                                                                      |                          | ▶ Festivals in News                                                                            | <input type="checkbox"/> |
|                                                                      |                          | ▶ International Yoga Day                                                                       | <input type="checkbox"/> |
|                                                                      |                          | ▶ Rashtriya Ekta Diwas                                                                         | <input type="checkbox"/> |
|                                                                      |                          | ▶ Buddhist Circuit                                                                             | <input type="checkbox"/> |

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 *Remarks*

# Geography

## PHYSICAL GEOGRAPHY

### 1. Geomorphology

- ▶ **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** ☐
- ▶ **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** ☐
- ▶ **Interior of the Earth** ☐
  - Sources of Information ☐
    - Direct ☐
    - Indirect - Earth Quake Waves ☐
    - Volcanoes ☐
  - Crust ☐
  - Mantle ☐
  - Core ☐

### ▶ Geology

- Minerals ☐
- Major Elements of the Earth's Crust ☐
  - Minerals – Feldspar , Quartz, Pyroxene Amphibole , Mica , Olivine ☐
  - Physical Characteristics–Crystal Form, Cleavage Fracture, Lusture, Color, Streak ☐
  - Transparency, Structure, Hardness, Specific Gravity ☐
  - Metallic minerals – precious Ferrous , Non Ferrous ☐
  - Non-metallic Minerals – Sulphur, Phosphates, Cement ☐
- Rocks (Aggregate of Minerals) ☐
  - Petrology ☐
  - Rocks & landforms ☐
  - Rocks & Soils ☐
  - 3 Family of Rocks ☐
    - Igneous ☐
    - Sedimentary ☐
    - Metamorphic ☐
  - Rock Cycle ☐
- ▶ **Earthquakes** ☐
  - Waves: P,S, Body , Surface , ☐
  - Shadow Zone ☐
  - Types of Earthquakes ☐
  - Effects ☐
  - Frequency ☐
  - Locating an Epicentre ☐
- ▶ **Volcano** ☐
  - Types ☐
    - Shield ☐
    - Composite ☐
    - Caldera ☐
    - Flood Basalt ☐

- Mid Ocean Ridge ☐
- Landforms (intrusive) ☐
  - Batholiths ☐
  - Lacoliths ☐
  - Lapoliths ☐
  - Phacoliths ☐
  - Sills ☐
  - Dykes ☐
- **Geomorphic Processes** ☐
  - Earth's Surface ☐
    - Exogenic Forces ☐
    - Endogenic Forces ☐
    - Gradation , Degradation & Agradation ☐
  - Geomorphic Process ☐
    - Endogenic Process ☐
      - ▢ Diastrophism ☐
        - ◆ Orogenic ☐
        - ◆ Epierogenic ☐
        - ◆ Earthquakes ☐
        - ◆ Plate movements ☐
      - ▢ Volcanism ☐
    - Exogenic Forces ☐
      - ▢ Denudation Processes ☐
        - ◆ Weathering ☐
        - ◆ Mass movements ☐
        - ◆ Erosion Transportation & Deposition ☐
- **Distribution of Continents & Oceans** ☐
  - Theories ☐
    - Continental Drift Theory ☐
      - ▢ Alfred Wegner 1912 ☐
      - ▢ Pangea , Panthalasa ☐
      - ▢ Laurasia , Gondwanaland ☐
    - Evidence in support of Continental Drift Theory ☐
      - ▢ Jigsaw Fit ☐
      - ▢ Rocks of Same age across oceans ☐
      - ▢ Tillite ☐
      - ▢ Placer Deposits ☐
      - ▢ Distribution of Fossils ☐
    - Forces of Drifting ☐
      - ▢ Pole Fleeing Force ☐
      - ▢ Tidal Force ☐
    - Post Drift Studies ☐
      - ▢ Convectional Current Theory ☐
      - ▢ Mapping of the Ocean Floor ☐
  - Continents – plate Tectonics ☐
    - Lithospheric Plates ☐

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

♦ Valleys – V Shape , Gorge(Hard Rocks) , Canyon (Sedimentary)	<input type="checkbox"/>	☐ Caves	<input type="checkbox"/>
☐ Potholes & Plunge pools	<input type="checkbox"/>	☐ Stacks	<input type="checkbox"/>
☐ Incised or entrenched meanders	<input type="checkbox"/>	■ Depositional Landforms	<input type="checkbox"/>
☐ River Terraces – paired & unpaired	<input type="checkbox"/>	☐ Beaches and Dunes	<input type="checkbox"/>
■ Depositional Landforms	<input type="checkbox"/>	☐ Bars Barriers Spits	<input type="checkbox"/>
☐ Alluvial Fans	<input type="checkbox"/>	○ Weathering	<input type="checkbox"/>
☐ Delta	<input type="checkbox"/>	■ Weather over Earth Materials	<input type="checkbox"/>
☐ Flood Plains , Natural Levees, Point Bars	<input type="checkbox"/>	■ Factors	<input type="checkbox"/>
☐ Meanders , Slip off bank , Under cut bank	<input type="checkbox"/>	☐ Geological	<input type="checkbox"/>
☐ Oxbow lake	<input type="checkbox"/>	☐ Climatic	<input type="checkbox"/>
☐ Braided Channels	<input type="checkbox"/>	☐ Topographic	<input type="checkbox"/>
○ Ground Water (Karst Topography)	<input type="checkbox"/>	☐ Vegetative	<input type="checkbox"/>
■ Permeable Rocks	<input type="checkbox"/>	■ Major Processes	<input type="checkbox"/>
☐ Percolation	<input type="checkbox"/>	☐ Chemical	<input type="checkbox"/>
☐ Bedding Plains	<input type="checkbox"/>	☐ Physical or Mechanical	<input type="checkbox"/>
■ Limestone and Dolomite Regions	<input type="checkbox"/>	☐ Biological	<input type="checkbox"/>
☐ Balkans , Adjacent to Adriatic regions	<input type="checkbox"/>	■ Chemical – Forces Chemical Action	<input type="checkbox"/>
■ Erosional Landforms	<input type="checkbox"/>	☐ Solution	<input type="checkbox"/>
☐ Pools-Swallow Hole, Valley Sinks (Uvalas), Sinkholes, Collapse sinks (Dolines), Lapias, Ridges , Limestone Pavements	<input type="checkbox"/>	☐ Carbonation	<input type="checkbox"/>
☐ Caves – Altering bed of Rocks (Shale sandstone quartzite), Caves and Tunnels	<input type="checkbox"/>	☐ Hydration	<input type="checkbox"/>
■ Depositional landforms	<input type="checkbox"/>	☐ Oxidation & Reduction	<input type="checkbox"/>
☐ Stalactites	<input type="checkbox"/>	■ Physical Forces Gravitational , Expansion , Water Pressure	<input type="checkbox"/>
☐ Stalagmites	<input type="checkbox"/>	☐ Unloading & Expansion	<input type="checkbox"/>
☐ Pillar Columns	<input type="checkbox"/>	☐ Temperature changes and Expansion	<input type="checkbox"/>
○ Glaciers	<input type="checkbox"/>	☐ Freezing , Thawing , & Frost Wedging	<input type="checkbox"/>
■ Erosional Landforms	<input type="checkbox"/>	☐ Salt Weathering	<input type="checkbox"/>
☐ Cirque of Tarn Lakes	<input type="checkbox"/>	■ Biological Weathering	<input type="checkbox"/>
☐ Hors and Serrated Regions – Arete	<input type="checkbox"/>	☐ Burrowing	<input type="checkbox"/>
☐ Glacial Valleys / Troughs – Fiords	<input type="checkbox"/>	☐ Wedging	<input type="checkbox"/>
■ Depositional Landforms	<input type="checkbox"/>	☐ Plant Roots	<input type="checkbox"/>
☐ Glacial Tills	<input type="checkbox"/>	☐ Effects of Weathering	<input type="checkbox"/>
☐ Moraines	<input type="checkbox"/>	☐ Exfoliation(Flaking)– Exfoliation Domes , Tors	<input type="checkbox"/>
☐ Eskers	<input type="checkbox"/>	■ Significance of Weathering	<input type="checkbox"/>
☐ Outwash Planes	<input type="checkbox"/>	☐ Soil Formation	<input type="checkbox"/>
☐ Drumlins	<input type="checkbox"/>	☐ Biomes and Biodiversity	<input type="checkbox"/>
○ Waves and Currents	<input type="checkbox"/>	☐ Leaching / Enrichment	<input type="checkbox"/>
■ High Rocky Coasts & Low Sedimentary Coasts	<input type="checkbox"/>	○ Mass Movements	<input type="checkbox"/>
■ Erosional Landforms	<input type="checkbox"/>	■ Activating causes	<input type="checkbox"/>
☐ Clifs	<input type="checkbox"/>	■ Forms of movement – Heave Flow Slide	<input type="checkbox"/>
☐ Terraces	<input type="checkbox"/>	■ 3 major Groups – Slow Movement , Rapid Movements , land Slides	<input type="checkbox"/>
		► Landforms across the world:	<input type="checkbox"/>
		○ Rivers and lakes	<input type="checkbox"/>
		○ Mountain and Peaks	<input type="checkbox"/>

- Plateaus ☐

## 2. Climatology

- **Composition** ☐
  - Gases ☐
  - Water Vapour ☐
  - Dust Particles ☐
- **Structure** ☐
  - Exosphere ☐
  - Thermosphere ☐
  - Mesosphere ☐
  - Stratosphere ☐
  - Troposphere ☐
  - Altitude vs Temperature ☐
- **Solar Radiation Heat Balance Temperature** ☐
  - Insolation ☐
  - Aphelion and Perihelion ☐
  - Variability of Insolation at the surface of the Earth ☐
    - Day Season Year ☐
    - Rotation on Axis , Angle of Inclination of sun rays , Length of the day ☐
    - 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** ☐
  - 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 ☐
  - Seasonal Wind ☐
  - Local Wind ☐
  - Land and Sea Breezes ☐
  - Mountain and Vally winds ☐
  - AIR MASS – fronts ☐
  - Extra Tropical Cyclone ☐
  - Thunderstorms ☐
  - Tornadoes ☐
- **Water in the Atmosphere** ☐
  - Water Vapour ☐
  - Precipitation ☐
  - Humidity – Absolute and Relative ☐
  - Saturation – Dew Point ☐
  - Evaporation and Condensation ☐
    - Dew ☐
    - Frost ☐
    - Fog & Mist ☐
  - Clouds ☐
    - Types – Cirrus Cumulus Stratus Nimbus ☐
    - High – Cirrus Cirrostratus Cirrocumulus ☐
    - Middle – Altostratus Altocumulus ☐
    - Low – Stratocumulus Nimbostratus ☐
    - Vertical Development – Cumulus and Cumulonimbus ☐
  - Precipitation ☐
    - Rainfall Snowfall Sleet Hail Hailstones ☐
  - Types of Rainfall ☐
    - Conventional ☐
    - Orographic ☐
    - Cyclonic ☐

- World Distribution of Rainfall ☐
- **World Climate** ☐
- The Hot, Wet Equatorial Climate ☐
- The Tropical Monsoon and Tropical Marine Climates ☐
- The Savanna or Sudan Climate ☐
- The Hot Desert and Mid-Latitude Desert Climates ☐
- The Warm Temperate Western Margin (Mediterranean) Climate ☐
- The Temperate Continental (Steppe) Climate ☐
- The Warm Temperate Eastern Margin (China Type) Climate ☐
- The Cool Temperate Western Margin (British Type) Climate ☐
- The Cool Temperate Continental (Siberian) Climate ☐
- The Cool Temperate Eastern Margin (Lauren-tian) Climate ☐
- The Arctic or Polar Climate ☐

### 3. Oceanography

- **Water on the Surface of the Earth** ☐
- Hydrological Cycle ☐
  - Component ☐
  - Processes ☐
- **Oceans** ☐
- Relief of the Ocean floor ☐
- 4 divisions of the ocean floor ☐
  - Continental Shelf ☐
  - Continental Slope ☐
  - Deep sea plain ☐
  - Oceanic deep and Trenches ☐
- Minor relief features ☐
  - Mid oceanic ridges ☐
  - Seamount ☐
  - Submarine canyons ☐
  - Guy outs ☐
  - Atoll ☐
- Temperature of the Ocean Water ☐
  - Vertical ☐
  - Spatial ☐
  - Factors affecting Temperature distribution ☐
    - Latitude ☐
    - Unequal distrivution of land & Water ☐
    - Prevailing wind ☐
    - Ocean Currents ☐

- Horizontal & Vertical Distribution ☐
  - Thermocline ☐
  - 3 layers ☐
- Salinity of the Ocean Water ☐
  - Factors affecting salinity ☐
    - Evaporation and precipitation ☐
    - Fresh water flow from rivers ☐
    - Wing ☐
    - Ocean currents ☐
  - Horizontals distribution of sailinity ☐
  - Vertical Distribution of salinity ☐
- Density of Ocean Waters ☐
- **Movements of ocean Water** ☐
- Factors influencing Movement ☐
  - Temperature ☐
  - Salinity ☐
  - Density ☐
  - Sun MOON WINDS ☐
- Motion – Horizontal & Vertical Currents ☐
- Waves ☐
  - Motion of waves and water molecules ☐
  - Characteristics Of WAVE ☐
    - Crest and Trough ☐
    - Height ☐
    - Amplitude ☐
    - Period ☐
    - Length ☐
    - Speed ☐
    - Frequency ☐
    - Tides ☐
- Relation between Gravitional Forces and Tides ☐
  - Tidal currents ☐
  - Types of Tides ☐
    - Based on Frequency – Semi Diurnal , Diurnal , mixed ☐
    - Based on SME position – spring and Neap Tides ☐
  - Importance of Tides ☐
- Ocean Currents ☐
  - Influenced by 2 forces ☐
    - Primary Force that initiates the movement ☐
      - Heating of solar energy ☐
      - Wind ☐
      - Gravity ☐
      - Coriolis force ☐
    - Secondary force that influence the currents to flow ☐

- Characteristic – Drift – 5 knots ☐
- Types of ocean currents ☐
  - Surface currents & Deep water currents based on Depth ☐
  - Cold and Warm Currents based on Temperature ☐
- Major Ocean currents of the World ☐
- Effects of Ocean Currents ☐

#### 4. Water Resource

- ▶ Underground water resource ☐
- ▶ Surface water resources ☐
- ▶ Inland water resources: Utilization of inland water resources by man ☐
- ▶ 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 ☐

#### 5. 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 ☐

## HUMAN GEOGRAPHY

#### 1. Demography

- ▶ Concept of human resources ☐
- ▶ Population distribution ☐
- ▶ Factors of population distribution—Physical factors ☐
- ▶ Socio-cultural factors ☐
- ▶ Demographic factors ☐
- ▶ World population distribution ☐
  - Ecumene ☐
  - Non-ecumene ☐
- ▶ Continent-wise distribution of population ☐
- ▶ Density of population ☐

- ▶ Pattern of population density ☐
- ▶ Population increase (growth) in the world ☐
- ▶ Causes of rapid increase in population ☐
- ▶ Present trend ☐
- ▶ Future projections ☐
- ▶ Determinants of population growth ☐
- ▶ Natural increase ☐
- ▶ Characteristics of population ☐
  - Age composition ☐
  - Population pyramids ☐
  - Sex composition ☐
  - Literacy ☐

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

## 2. Urbanization

- ▶ Basic Feature and Pattern's of India's Urbanization ☐
- ▶ Issues of Urbanization in India ☐
  - Rural Urban Migration ☐
  - Emergence of Slums ☐
  - Urban Transport ☐
  - Waste Disposal ☐
  - Water Supply, Drainage and Sanitation ☐
  - Electronic Waste ☐
  - Urban Poverty ☐
  - Real Estate (Regulation & Development) Bill, 2013 ☐
- ▶ Way Forward to Tackle Issues Related to Urbanization ☐
  - Inclusive Cities/Smart cities ☐
  - Recent government programmes: AMRUT ☐

- ▶ Migration ☐
- ▶ Displacement ☐
- ▶ Importance of the Rehabilitation Policy ☐
- ▶ Urban settlements: types ☐
- ▶ Urbanisation process in India. ☐
- ▶ Morphology of urban settlements ☐
- ▶ Town planning and patterns of rural settlement ☐
- ▶ Settlement types of the world ☐
- ▶ Migration: Push factors and pull factors ☐
- ▶ Emigration during colonial, post-independent and post-liberalisation period ☐
- ▶ Internal versus world migration ☐
- ▶ Functional classification of cities ☐
- ▶ Difference between boundaries and frontiers, their classification ☐
- ▶ Rural urban fringe characteristics, advantages, problems ☐
- ▶ National urbanisation policy ☐
- ▶ Principles of urban planning ☐
- ▶ Land cover transformation ☐
- ▶ Factors affecting rural settlements, their types and patterns ☐
- ▶ Cities – hierarchical classification, morphological classification ☐

## 3. Census

- ▶ Literacy ☐
- ▶ Sex ratio ☐
- ▶ Family Planning ☐
- ▶ Old Age ☐
- ▶ Age Structure ☐
- ▶ Density ☐
- ▶ Population growth ☐
- ▶ Census terminology ☐

# ECONOMIC GEOGRAPHY

## 1. 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 ☐
- Dry zone farming ☐
- Organic farming ☐
- Cropping seasons in India ☐
- Cropping Pattern in India ☐
- Agriculture regionalization ☐
- Infrastructure factors: Seeds; Fertilizers; Irrigation ☐
- Land use pattern in India ☐

- Institutional Factors as land reform ☐
- Horticulture sector in India ☐
- Agricultural revolutions ☐
- Agricultural labours ☐
- Price Policy for Agriculture ☐
- Agricultural marketing ☐
- Agricultural Insurance ☐
- Agricultural Census ☐
- Major schemes in agricultural sector ☐
- National Policy for farmers ☐
- Impact of climate change on agriculture ☐
- What is sustainable agriculture? ☐
- Use of IT in agriculture ☐
- Agriculture Issues and Challenges ☐
- **Productivity of Crops and conditions for growth**
- Wheat ☐
  - Conditions of growth ☐
  - Varieties ☐
  - Types of cultivation ☐
  - Production pattern ☐
  - International trade ☐
- Rice ☐
  - Conditions of growth ☐
  - Varieties ☐
  - Methods of cultivation ☐
  - Production pattern ☐
  - International trade ☐
- Maize (Corn) ☐
  - Conditions of growth ☐
  - Production pattern ☐
  - International trade ☐
- Barley ☐
  - Conditions of growth ☐
  - Production pattern ☐
  - International trade ☐
- Oats ☐
- Rye ☐
- Beverages ☐
  - Tea ☐
    - Condition of growth ☐
    - Production pattern ☐
    - International trade ☐
  - Coffee ☐
    - Types of coffee ☐
    - Conditions of growth ☐
    - Production pattern ☐

- International trade ☐
- Cocoa ☐
  - Conditions of growth ☐
  - Production pattern ☐
  - International trade ☐
- Tobacco ☐
  - Conditions of growth ☐
  - Production pattern ☐
  - International trade ☐
- Fibre Crops ☐
  - Cotton ☐
    - Varieties of cotton ☐
    - Conditions of growth ☐
    - Production pattern ☐
    - International trade ☐
  - Jute ☐
    - Conditions of growth ☐
    - Production pattern ☐
    - International trade ☐
    - Substitutes of Jute: Flax, Hemp ☐
    - Abaca, Henequeno ☐
    - Sisal ☐
  - Raw Silk ☐
    - Production pattern ☐
    - International trade ☐
  - Natural Rubber ☐
    - Other sources of rubber ☐
    - Plantations in South-east Asia ☐
    - Production pattern ☐
    - International trade ☐
  - Sugarcane ☐
    - Conditions of growth ☐
    - Production pattern ☐
    - International trade ☐
    - Sugarbeet—Conditions of growth ☐
    - Production pattern ☐
    - Sugar industry ☐
    - Sugar consumption ☐
    - International trade ☐

## 2. Mineral resource

- Types of minerals: Metallic minerals ☐
- Non-metallic mineral ☐
- Distribution of minerals and mining regions ☐
- Distribution, production and international trade of Metallic minerals: Ferrous metals: Iron ore ☐

- ▶ Ferro-alloys and non-ferrous ☐
- ▶ Manganese ☐
- ▶ Chromium ☐
- ▶ Nickel ☐
- ▶ Tungsten ☐
- ▶ Antimony ☐
- ▶ Copper ☐
- ▶ Bauxite and Aluminium ☐
- ▶ Zinc; Lead ☐
- ▶ Tin ☐
- ▶ Precious metals: Gold ☐
- ▶ Silver ☐
- ▶ Platinum ☐
- ▶ Mineral chemicals ☐
  - Mica ☐
  - Potash ☐
  - Phosphate ☐
  - Nitrates ☐
  - Sulphur ☐
- ▶ Conservation of mineral resources ☐

### 3. Energy resources

- ▶ Classification of energy ☐
- ▶ Production of conventional energy ☐
- ▶ General trends of energy production and consumption ☐
- ▶ Reserves and sources of energy ☐
- ▶ Coal ☐
  - Nature and origin of coal ☐
  - Constituents and kinds of coal ☐
  - Coal fields and coal production ☐
  - By products of coal ☐
  - Conservation of Coal Petroleum ☐
- ▶ Petroleum ☐
  - Nature and properties of petroleum ☐
  - Origin and recovery ☐
  - Exploration ☐
  - Petroleum refining ☐
  - Petroleum reserves ☐
  - Producing areas ☐
  - Consumption of petroleum ☐
  - International trade ☐
  - OPEC and its role in oil trade ☐
- ▶ Natural gas: Reserves and Production ☐
- ▶ Hydro-electricity ☐
  - Advantages of hydro-electricity ☐
  - Ideal conditions for generation of ☐

- hydro-electricity
- Distribution of potential hydro-power ☐
- Hydro-electric power generation ☐
- ▶ Atomic (nuclear) energy ☐
  - Atomic :source minerals: Uranium ☐
  - World distribution of uranium ☐
  - Production of uranium ☐
  - Thorium ☐
  - Production of atomic (nuclear) energy ☐
  - Nuclear energy: the energy of future ☐
- ▶ Alternative (non-conventional) sources of energy ☐
  - Solar energy ☐
  - Wind energy ☐
  - Geothermal power ☐
  - Tidal energy ☐
  - Wave energy ☐
  - Biomass energy ☐
- ▶ Alternate Energy Sources ☐
  - Hydrogen as a Fuel for Future or Hydrogen as an Alternative Energy Source ☐
  - Microbial Fuel Cell ☐
  - Energy Context with Respect to Indian Scenario ☐
  - Energy Plantation ☐
- ▶ Energy crisis ☐

### 4. Industry

- ▶ Industrial development ☐
- ▶ Iron And Steel Industry ☐
  - Process of iron and steel production ☐
  - Location of iron and steel industry ☐
  - Early localization ☐
  - Development of iron manufacture ☐
  - Distribution of iron and steel industry ☐
  - Global steel production ☐
  - International trade ☐
  - Growth potential of the steel industry ☐
- ▶ Textile Industry ☐
  - Cotton textile industry: Location of the industry ☐
  - Recent trends in localization ☐
  - Distribution and production of cotton textiles ☐
  - Woollen textile industry: Location of the industry ☐
  - Silk textile industry: Raw silk manufacture ☐
  - Silk textile manufacturing ☐
  - Synthetic (artificial) silk industry: ☐

- Distribution of man-made fibre and fabrics.
- ▶ Engineering Industries ☐
    - Machine tools and machines: Areas of production ☐
    - Industrial machinery: Textile machinery ☐
    - Other industrial machinery ☐
    - Agricultural machinery ☐
  - ▶ Manufacturing of transport equipment ☐
    - Automobile industry ☐
    - Railway car and locomotive industry ☐
    - Shipbuilding ☐
    - Recent trends ☐
    - Aircrafts industry ☐
  - ▶ Chemical Industry ☐
    - Classes of chemicals: Branches of chemical industry ☐
    - Heavy chemical industry ☐
    - Production of acids and alkalies ☐
    - Rise of chemical industry ☐
    - Fertilizer industry: Nitrogen fertilizers ☐
    - Phosphate fertilizers ☐
    - Potash fertilizers ☐
    - Explosives ☐
    - 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 ☐
  - Newsprint ☐
  - 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-USA, Canada, Western Europe and Central Britain, Germany, Belgium, Netherlands, France, Italy, Eastern Europe, Poland, Former USSR ☐
    - Eastern Asia—Japan, China, the 'Dragons', India, High tech patterns. ☐

## RECENT DEVELOPMENTS

### 1. Recent developments in Transport Sector

- ▶ Long term irrigation fund ☐
- ▶ Sports Sector Gets the Infrastructure Status ☐
- ▶ Railways India Development Fund ☐
- ▶ National Infrastructure Investment Fund ☐
- ▶ Defence Innovation Fund ☐
- ▶ Merger of Railway Budget with General Budget ☐
- ▶ Non-Fare Revenue Policies in Indian Railways ☐
- ▶ Rail Safety Fund ☐
- ▶ Flexi Fare Method in Railway ☐
- ▶ Rail Cadre Management ☐
- ▶ TRI-NETRA IN RAILWAYS ☐
- ▶ National Rail Plan 2030 ☐
- ▶ Draft Policy on Suburban Tracks ☐
- ▶ India's First Caterpillar Train ☐
- ▶ Mission 41k ☐
- ▶ Green corridor concept ☐
- ▶ Made in India 'Medha' train ☐
- ▶ Antyodaya Express ☐
- ▶ Station Redevelopment Project ☐
- ▶ Smart Railway Station ☐
- ▶ Yatri Mitra Seva ☐
- ▶ National Highways Interconnectivity ☐
- ▶ Vehicle Fleet Modernization Programme ☐
- ▶ Transit Oriented Development Policy ☐
- ▶ Logistic Efficiency Enhancement Programme ☐
- ▶ Indian Bridge Management System ☐
- ▶ Road Connectivity Project for Left Wing Extremism (LWE) Affected Areas ☐
- ▶ North East Road Network Connectivity Project ☐
- ▶ TIR Convention ☐
- ▶ National Road Safety Policy ☐
- ▶ Sagarmala ☐
- ▶ Urja Ganga Gas Line Project ☐
- ▶ TARANG ☐

- ▶ E-trans ☐
- ▶ DEEP (Discovery of Efficient Electricity Price) ☐
- ▶ GARV II APP ☐
- ▶ Trading of Energy Saving Certificates ☐
- ▶ 24X7 POWERS FOR ALL ☐
- ▶ Draft National Electricity Plan ☐
- ▶ Habitat Commitment Index ☐
- ▶ Airsewa Portal ☐

## 2. Recent developments in Industrial Sector

- ▶ Delhi-Mumbai Industrial Corridor ☐
- ▶ Amritsar-Kolkata corridor ☐
- ▶ Chennai-Bangalore Industrial Corridor ☐
- ▶ Bengaluru-Mumbai Economic Corridor ☐
- ▶ Visakhapatnam-Chennai Industrial Corridor ☐
- ▶ East Coast Economic Corridor ☐
- ▶ Apex Corridor Developmental Authority ☐
- ▶ Star Rating of Mines ☐
- ▶ TAMRA PORTAL ☐
- ▶ Mining Surveillance System ☐
- ▶ COAL MITRA ☐
- ▶ M-SIPS for Electronic Sector ☐
- ▶ Real Estate (Regulation and Development) Act or RERA ☐
- ▶ Indian Enterprise Development Service ☐
- ▶ Trade Receivables Discounting System ☐
- ▶ SME Business Environment Index ☐
- ▶ Medipark ☐
- ▶ ZED Scheme ☐
- ▶ Startup Mentorship Circle ☐
- ▶ FAME ☐

## 3. Recent developments in agriculture field

- ▶ AADHAR Based Biometric Authentication in PDS: Pros and Cons ☐
- ▶ Volatility in Pulse Prices ☐
  - Arvind Subramanian Committee on Pulse Crises ☐
  - Government Raises Buffer Stock of Pulses ☐
  - PUSA Arhar 16 to Bridge the Demand-Supply Gap ☐
- ▶ Agro Irradiation Centers ☐
- ▶ Options Trading in Agricultural Produce ☐
- ▶ Agricultural Marketing and Farm Friendly Reforms Index ☐
- ▶ National Food Security Act ☐

- ▶ Digitization and Agriculture ☐
- ▶ Direct Benefit Transfer in Fertilized Sector ☐
- ▶ Aquaponic Farm ☐
- ▶ Gift Milk Scheme ☐
- ▶ Draft Regulation on Fortification of Foods ☐
- ▶ Law Commission Recommendation on Food Laws ☐
- ▶ Concept of Modern Terminal Markets ☐
- ▶ Animal Husbandry, Dairying and Fisheries ☐
  - e-Pashuhaat Portal ☐
  - Schemes of Bio-Tech Kisan and Cattle Genomics ☐
  - Rashtriya Gokul Mission ☐
  - Mission Fingerling ☐
- ▶ Terms in Brief ☐
  - Krishi Puruskar for Small Farmers ☐
  - Ornamental Fishing ☐
  - Agricultural Science Congress ☐
  - RubSiS ☐
  - Ethanol Blending ☐
  - National Bureau of Plant Genetic Resources ☐
  - Amendments to the NABARD Act, 1981 ☐
  - Revenue Insurance Scheme for Plantation Crops ☐
  - Best Horticulture Award ☐
  - Neem Coating of Urea ☐
- ▶ Soil Health Card Scheme ☐
- ▶ Paramparagat Krishi Vikas Yojana ☐
- ▶ 'Pradhan Mantri Fasal Bima Yojana ☐
- ▶ PM Krishi Sinchai Yojana ☐
- ▶ National Agriculture Market ☐

## 4. Places in news

- ▶ Majuli Island ☐
- ▶ Ashalim Project ☐
- ▶ Loktak Lake ☐
- ▶ Barren Island ☐
- ▶ Rio de Janeiro ☐
- ▶ Gotthard Base Tunnel ☐
- ▶ Panama Canal ☐
- ▶ Akodara ☐
- ▶ Genetic Garden of Halophytes ☐
- ▶ Maharashtra ☐
- ▶ Morocco ☐
- ▶ Sankhuwasabha ☐
- ▶ Andhra Pradesh ☐
- ▶ Hambantota Port ☐

- ▶ Tirunelveli ☐
- ▶ Palmyra ☐
- ▶ Sabarimala Circuit ☐
- ▶ Libya, Sudan, Somalia, Syria, Iraq, Yemen and Iran ☐
- ▶ Tembhli ☐
- ▶ Mahanadi and Tributaries ☐
- ▶ Agartala Rail Link ☐
- ▶ Mekadatu Project on Kaveri ☐
- ▶ Yettinahole Project ☐
- ▶ Country's first Water Metro Project ☐

- ▶ Indus basin: Shahpur Kandi Dam Project ☐
- ▶ Ghatampur Thermal Power Project ☐
- ▶ Deepest Rail Project ☐
- ▶ Lost Continent ☐
- ▶ Zealandia ☐
- ▶ World's First Polluted River Discovered By Scientists ☐
- ▶ Pre-historic camping site found in Ladakh ☐
- ▶ Report on Palaeo Channel of North West India ☐
- ▶ Cyclones in News ☐



*Remarks*

# Indian Society Features & Social Justice

## INDIAN SOCIETY

### 1. Salient features of Indian society

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

### 2. 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 ☐
- ▶ Some examples ☐
- ▶ Manner of reconciliation ☐

### 3. Role of women's organizations

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

### 4. 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 ☐

### 5. 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 ☐

### 6. Social empowerment

- ▶ Meaning and concept of social empowerment ☐
- ▶ Why do we need social empowerment? ☐
- ▶ Specific sections for whom social empowerment is the life blood ☐
- ▶ 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 ☐

### 7. 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 ☐

## 8. Secularism

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

## 9. 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 ☐

# SOCIAL JUSTICE

## 1. Welfare schemes for vulnerable sections of the population by the Centre and States

- ▶ Constitutional arrangement ☐
- ▶ Women welfare ☐
- ▶ Child welfare ☐
- ▶ SC/ST welfare ☐
- ▶ OBC welfare ☐
- ▶ Minorities welfare ☐
- ▶ Old age welfare ☐
- ▶ Legislations ☐
- ▶ Issues ☐
- ▶ Reforms needed ☐

## 2. Services relating to Health, Education, Human Resources

- ▶ Education structure in India ☐
- ▶ Primary, secondary and higher education ☐
- ▶ Initiatives taken by GOI in education ☐
- ▶ Issues ☐
- ▶ Reforms needed ☐
- ▶ Recommendations of committees ☐
- ▶ Future prospects in education sector ☐
- ▶ Skill development ☐
- ▶ Health indicators ☐
- ▶ Health structure in India ☐
- ▶ Private and Public health structure ☐
- ▶ Issues ☐
- ▶ Reforms needed ☐
- ▶ NITI Aayog Report ☐
- ▶ Economic development and human development ☐

- ▶ Reforms needed ☐
- ▶ SDGs and India ☐

## 3. 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 ☐

## 4. 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 ☐

# WELFARE SCHEMES

## 1. 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 ☐

## 2. Vulnerable Sector

- ▶ Social Security ☐
- ▶ 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) ☐

## 3. Health

- ▶ National Health Mission ☐
- ▶ National Ayush Mission ☐
- ▶ Swasthya Rakshan Program ☐
- ▶ Jan Aushadhi Scheme ☐

- ▶ Mission Indradhanush ☐
- ▶ NFHS-4 survey ☐

## 4. 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) ☐

## 5. Rural & Urban Development

- ▶ Sansad Adarsh Gram Yojana ☐
- ▶ Gram Uday Se Bharat Uday Abhiyan ☐
- ▶ Shyama Prasad Mukharjee Rurban Mission ☐
- ▶ Deendayal Upadhyaya Gram Jyoti Yojana ☐
- ▶ Pradhan Mantri Gram Sadak Yojana ☐
- ▶ Swachch Bharat Abhiyan ☐
- ▶ Pradhan Mantri Awas Yojana- Gramin ☐
- ▶ Pradhan Mantri Awas Yojana - Urban ☐
- ▶ Housing for all by 2022 ☐
- ▶ Smart Cities Mission ☐
- ▶ Hriday - National Heritage City Development and Augmentation Yojana ☐
- ▶ Amrut (Atal Mission for Rejuvenation and Urban Transformation) ☐

## 6. 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) ☐

## 7. Inclusive growth

- ▶ Measurement criteria ☐
- ▶ Government initiatives for inclusive growth ☐
- ▶ Basic Amenities: Housing/Drinking Waters/ Sanitations ☐
- ▶ Sustainable Development ☐

## 8. Rural Development

- ▶ Rural development and poverty alleviation ☐
- ▶ Review of the Existing Programmes ☐
- ▶ Development Administration ☐
- ▶ Panchayati Raj ☐
- ▶ Agriculture and Rural Development ☐

## 9. Social Sector Bills

- ▶ The Juvenile Justice (Care and Protection of Children) Act ☐

- ▶ 'Surrogacy (Regulation) Bill, 2016' ☐
- ▶ 'Child Labor (Prohibition and Amendment) Bill, 2016' ☐
- ▶ Maternity Benefit Bill, 2016 ☐
- ▶ Pre-Conception & Pre-Natal Diagnostic Techniques (PNDT) Act ☐
- ▶ Mental Health Care Bill, 2013 ☐
- ▶ Protection of Children from Sexual Offences (POCSO) ☐
- ▶ Anti Trafficking Bill with Stringent Penalty ☐
- ▶ HIV and AIDS (Prevention and Control) Bill-2014 - Amendments ☐
- ▶ Domestic Violence Act, 2005 - SC Widens Ambit ☐
- ▶ Rights of Persons with Disabilities Bill, 2014 with more Benefits ☐
- ▶ Transgender Persons (Protection of Rights) Bill 2016 ☐
- ▶ The Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Amendment Act ☐

# SOCIAL ISSUES IN NEWS

## 1. Secularism, Regionalism & Communalism

- ▶ Secularism and Anti-Conversion ☐
- ▶ Regionalism: Demand for smaller states ☐
- ▶ Repercussions of making Hindi compulsory ☐
- ▶ Socio-Economic Caste Census, 2011 ☐

## 2. Issues related to Women

- ▶ Maternity benefit Amendment Bill ☐
- ▶ Altruistic surrogacy in India ☐
- ▶ Status of widows ☐
- ▶ Acid Attacks ☐
- ▶ SC banned Women Sterilization in India ☐
- ▶ Issue of Sex ratio ☐
- ▶ Issue of Triple Talaq ☐
- ▶ Female Foeticide and Infanticide ☐
- ▶ Reservation for Women in Legislature ☐
- ▶ Women in Combat Duties ☐
- ▶ Women in panchayats ☐
- ▶ Women participation in Economy ☐
- ▶ Challenges faced by Working Women ☐
- ▶ Draft National Policy for Women, 2016 ☐

## 3. Issues related to Children

- ▶ Protection of Children from Sexual Offences ☐
- ▶ Issue of malnutrition in India ☐
- ▶ Amendments proposed in Child Labour Act ☐
- ▶ Plight of street children ☐
- ▶ Adoption Regulations, 2017 ☐
- ▶ National Child Policy ☐
- ▶ Out of school children: Issues and Steps needed ☐
- ▶ Cradle Baby Scheme ☐
- ▶ Juvenile Justice System ☐
- ▶ Child Marriages In India ☐
- ▶ Draft bill on child abduction ☐
- ▶ National Action Plan for Children, 2016 ☐
- ▶ Report on the Protection of Children (Inter-Country Removal and Retention) Bill, 2016 ☐

## 4. Social issues

- ▶ Social stigma attached with HIV ☐
- ▶ Issues related to Transgender and Transgender Persons Bill, 2015 ☐
- ▶ Euthanasia Issue: An Analysis ☐
- ▶ Right to Privacy and Aadhaar ☐
- ▶ Mental Health Care Bill ☐
- ▶ Anti-Trafficking Bill, 2016 ☐
- ▶ Challenge of ageing with dignity ☐
- ▶ Rights of Persons with Disabilities Act ☐

- Maintenance of Welfare of Parents and Senior Citizens Act ☐
- Manual Scavenging ☐
- Mob lynching and Rule of Law ☐
- Issue related to Undertrials ☐
- Issues related to Sanitation ☐
- Sharp reality of displacement ☐
- Moral policing ☐
- Income inequality in India ☐
- Forest Rights Act: Analysis ☐

### 5. Health & Education

- Issue of poor infrastructure in schools ☐
- No Detention Policy ☐
- New Policy on Education ☐
- Lancet Report on Healthcare spending ☐

- New Health Policy, 2017 ☐
- Technology Adaptation in Health Care ☐
- Food Fortification ☐

### 6. Government initiatives in social sector

- Progress Panchayat initiative ☐
- National Sex Offender Registry ☐
- Slum Re-development ☐
- Issue of farmer suicide in India ☐
- Anthropological Survey of India ☐
- National Commission for Socially and Educationally Backward Classes ☐
- T.V.S.N. Prasad Report On Pellet Guns ☐
- Uniform Civil Code ☐
- Concept of Open Prison ☐

 **Remarks**

# Polity & Governance

## POLITY

### 1. Historical Evolution & Features

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

### 2. Preamble

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

### 3. Citizenship

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

- ▶ Concept of dual citizenship ☐
- ▶ Citizenship provisions in J&K ☐
- ▶ Special privileges enjoyed by citizens in India ☐

### 4. Fundamental Rights

- ▶ Significance of Fundamental Rights ☐
- ▶ Right to Equality ☐
- ▶ Right to Freedom ☐
- ▶ Right against Exploitation ☐
- ▶ Right to Freedom of Religion ☐
- ▶ Cultural and Educational Rights ☐
- ▶ Right to Constitutional Remedies ☐
- ▶ Difference between procedure established by law and due process of law ☐
- ▶ Writs and their uses ☐
- ▶ Restrictive limitations on fundamental rights ☐

### 5. DPSP

- ▶ Basic features ☐
- ▶ Directives ☐
- ▶ Economic and Social DPSP ☐
- ▶ Gandhian DPSP ☐
- ▶ Administrative DPSP ☐
- ▶ DPSP related to International Peace ☐
- ▶ Implementation of DPSP ☐
- ▶ Fundamental Rights and the Directive Principles of State Policy Controversy ☐

### 6. Fundamental Duties

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

**7. Other Principles**

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

**8. Separation of Powers**

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

**9. Comparison of the Indian constitutional scheme with that of other countries**

- ▶ It should cover Comparison of USA, UK, India and neighbours ☐

**10. Union & States**

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

**11. Functions and responsibilities of the Union and the States**

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

**12. Issues and challenges pertaining to the federal structure**

- ▶ Administrative relations ☐
- ▶ Legislative relations ☐
- ▶ Financial relations ☐
- ▶ Misuse of Article 356 ☐
- ▶ Issues related to concurrent list ☐
- ▶ Issues related to appointment of Governor ☐
- ▶ Issues related to state formation ☐
- ▶ Poor devolution of finances ☐
- ▶ Reserving bill for Presidential approval ☐
- ▶ Central sponsored schemes and issues ☐
- ▶ Special package for different states ☐
- ▶ Issues between Centre and State after 1990 reforms ☐
- ▶ Foreign policy and Centre and State Relations ☐

**13. The President**

- ▶ Importance of President ☐
- ▶ Qualification ☐
- ▶ Election procedure ☐
- ▶ Advantages and disadvantages of single transferable form of voting ☐
- ▶ Presidents' Term of Office and emoluments ☐
- ▶ Executive Powers ☐
- ▶ Legislative Powers ☐
- ▶ Emergency Powers ☐
- ▶ Financial Powers ☐
- ▶ Miscellaneous powers ☐
- ▶ Judicial powers ☐
- ▶ Presidents Impeachment ☐
- ▶ President as nominal head ☐
- ▶ Issues ☐
  - Ordinance making power ☐
  - Passage of bills ☐
- ▶ Misuse of emergency provisions ☐
  - Pardon power ☐
  - Coalition government ☐

**14. Vice President**

- ▶ Office of the Vice-President ☐
- ▶ Functions ☐

**15. Prime Minister**

- ▶ Appointment of PM ☐
- ▶ Functions of PM ☐
- ▶ Role of PM with respect to
  - CoM ☐
  - President ☐
  - Lok Sabha ☐
  - Political Party ☐
  - Coalition Government ☐

## 16. Council of Ministers

- ▶ Division of CoM ☐
- ▶ Role of CoM ☐
- ▶ Role of Cabinet ☐
- ▶ Responsibilities of the Ministers ☐

## 17. Attorney General of India

- ▶ Qualification ☐
- ▶ Functions ☐
- ▶ Powers with respect to parliament ☐

## 18. Parliament

- ▶ Composition of Rajya Sabha ☐
- ▶ Composition of Lok Sabha ☐
- ▶ Composition of Legislative assembly and Legislative Council ☐
- ▶ Qualification and disqualification of MPs and MLAs ☐
- ▶ Vacation of seats ☐
- ▶ Sessions of parliament ☐
- ▶ Law making procedure ☐
- ▶ Officers of Parliament and state legislature ☐
- ▶ Parliament Proceedings ☐
- ▶ Motions and resolutions in Parliament ☐
- ▶ Powers and Privileges ☐
- ▶ Financial proceedings ☐
- ▶ Comparison of Lok Sabha and Rajya Sabha ☐
- ▶ Comparison of Legislative assembly and council ☐
- ▶ Women reservation in Parliament and issues ☐
- ▶ Lowering of Parliamentary powers ☐
- ▶ Parliamentary committees and their working ☐
- ▶ Judicial activism and Parliament ☐
- ▶ Delegated legislation and issues ☐

## 19. The Union Judiciary

- ▶ Integrated judicial system ☐
- ▶ Supreme Court ☐
  - Composition ☐

- Independence of Supreme Court ☐
- Jurisdiction of SC ☐
- Judicial Review ☐
- ▶ High Court ☐
  - Composition ☐
  - Terms and removal ☐
  - Jurisdiction ☐
  - Other powers ☐
  - Lower judiciary ☐
  - Appointment ☐
  - Powers ☐
- ▶ The role of the Supreme Court of India as guardian of the Constitution and protector of Fundamental Rights ☐
- ▶ Judicial Review ☐
- ▶ PIL ☐
- ▶ Judicial Activism ☐
- ▶ Judiciary appointment ☐
- ▶ Collegiums System ☐
- ▶ NJAC Controversy ☐
- ▶ National Court of Appeal ☐
- ▶ Judicial Accountability ☐
- ▶ Issues of corruption in judiciary ☐

## 20. Ministries and Departments of the Government

- ▶ Functioning of Ministries ☐
- ▶ Central Secretariat ☐
- ▶ Cabinet Secretary ☐
- ▶ Field organizations ☐
- ▶ Reforms needed ☐
- ▶ International methodology ☐

## 21. Panchayats

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

## 22. Dispute redressal mechanisms and institutions

- ▶ What is Dispute redressal mechanism? ☐
- ▶ Need of Dispute redressal mechanisms ☐

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

### 23. Comptroller And Auditor-General Of India

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

### 24. The Governor

- ▶ Appointment, term of office, qualification, etc ☐
- ▶ Powers ☐
- ▶ Discretionary powers ☐
- ▶ Ordinance making power ☐

### 25. CM

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

### 26. The Advocate-General for the State

- ▶ Appointment ☐
- ▶ Functions ☐

### 27. State legislature

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

## GOVERNANCE

### 1. 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 ☐

### 2. Effective Implementation

- ▶ What is effective implementation? Best outcomes in view of given time, resources and constraints ☐
- ▶ Analysis of different important schemes ☐

### 3. 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. ☐

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

### 5. Important aspects of governance, transparency and accountability

- ▶ Citizen centric governance ☐
- ▶ Features of good governance ☐
- ▶ Legislative accountability ☐
- ▶ Administrative accountability ☐
- ▶ Judicial accountability ☐
- ▶ Ombudsman ☐
- ▶ Whistleblowers concept ☐
- ▶ Anti corruption machinery ☐
- ▶ Role of citizens ☐
- ▶ Role of media ☐
- ▶ Social audit ☐
- ▶ Systematic reforms ☐

### 6. e-Governance

- ▶ Introduction ☐
- ▶ Applications ☐
- ▶ Models ☐
- ▶ Successes ☐
- ▶ Limitations ☐
- ▶ Future prospects ☐

### 7. Citizens Charters

- ▶ Citizens Charters ☐
- ▶ Introduction ☐
- ▶ Models ☐

- ▶ Features ☐
- ▶ CC in India ☐
- ▶ Issues in CC implementation ☐
- ▶ Reform needed ☐

### 8. Role of civil services in a democracy

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

### 9. Pressure groups and formal/informal associations and their role in the Polity

- ▶ What are pressure groups? ☐
- ▶ Types ☐
- ▶ The significance of pressure groups in India ☐
- ▶ Differentiate between a pressure group and a political party ☐
- ▶ Evaluation of pressure groups role ☐

### 10. Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies

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

-composition of Finance commission

- ▶ Functions and responsibilities of Finance commission ☐
- ▶ Powers and privileges of Finance commission (provided by constitution and different ACTs of Parliament.) ☐
- ▶ National commission for SCs and STs. ☐

### 11. Statutory, regulatory and various quasi-judicial bodies

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

### 12. Elections in India

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

### 13. Political Parties in India

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

### 14. Role of Pressure Groups

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

## RECENT DEVELOPMENTS

### 1. Bills

- ▶ Representation of People (Amendment) Bill 2010 ☐
- ▶ Aadhaar (Targeted Delivery of Financial and other Subsidies, Benefits and Services) Act, 2016' ☐
- ▶ Admiralty (Jurisdiction and Settlement of Maritime Claims) Bill, 2016 ☐
- ▶ The Anti-Hijacking Act, 2016 ☐
- ▶ Panchayats (Extension to the Scheduled Areas) Act, 1996 ☐
- ▶ Lokpal & Lokayukta (Amendment) Act, 2016 ☐
- ▶ Motor Vehicles (Amendment) Bill, 2016 ☐
- ▶ Whistleblowers Amendment Bill ☐

### 2. Union & State Government

- ▶ Imposition of President Rule: An Analysis ☐
- ▶ Frequent promulgation of Ordinance ☐
- ▶ Provisions related to Removal of Governors ☐
- ▶ Politicization of the post of Governor ☐
- ▶ Relevance of Rajya Sabha ☐
- ▶ Frequent disruption of Parliament and its impact ☐
- ▶ Anti-Defection Law ☐
- ▶ Issue related to Office of Profit ☐
- ▶ Special privileges to MPs and its implication ☐
- ▶ Freebies Politics in India ☐

- ▶ Political Parties and RTI ☐
- ▶ Basics of Separation of Power in India ☐

### 3. Judiciary

- ▶ Issue related to appointment of judges ☐
- ▶ Proposal for National Court of Appeal ☐
- ▶ Concept of defamation in India ☐
- ▶ Contempt of Court ☐
- ▶ What are contempt proceedings? ☐
- ▶ Public Interest Litigation ☐
- ▶ Advocates (Amendment) Bill, 2017 Controversy ☐
- ▶ Issue of Judicial over-reach ☐
- ▶ National Litigation Policy ☐
- ▶ All India Judicial Services ☐
- ▶ Judicial reforms ☐
- ▶ Future challenges may be faced by Indian Judiciary ☐
- ▶ Administrative Tribunals ☐

### 4. Local Government

- ▶ Nagaland Reservation in Urban bodies: Issue ☐
- ▶ Education qualification made mandatory for contesting Local Government Elections ☐
- ▶ Reforms needed in Municipalities in Sync with Urban development Missions ☐
- ▶ 14th Finance Commission and Local Governments ☐

### 5. Elections

- ▶ Simultaneous Elections: feasibility and benefits ☐
- ▶ Introduction of NOTA in elections ☐
- ▶ Bill on Right To Recall Legislators ☐
- ▶ Benefits of recognition as a National party ☐
- ▶ Provision of Compulsory Voting ☐
- ▶ State funding in elections ☐
- ▶ Corporate funding laws ☐
- ▶ Election Commission Proposal for countering bribe-for-votes ☐
- ▶ About Paper Trail Units ☐
- ▶ Issues related to the working of Political Parties ☐
- ▶ Voting rights to NRI ☐
- ▶ Role of civil society in free and fair election ☐
- ▶ Women voices in elections ☐
- ▶ Law Commission Report on Electoral Reforms ☐

### 6. Organisations/Bodies

- ▶ 14<sup>th</sup> Finance Commission: Analysis ☐
- ▶ 7<sup>th</sup> Pay Commission Report and Repercussions ☐
- ▶ AFSPA and Second ARC ☐
- ▶ Inter-State River Water Dispute ☐
- ▶ Role of Niti Aayog ☐
- ▶ Significance of Public Accounts Committee ☐
- ▶ Autonomy of CBI ☐
- ▶ Analysis of functioning of CAG ☐
- ▶ Right to Information ☐
- ▶ Accountability and transparency in NGOs ☐
- ▶ Need of Indian Skill Development Service ☐

### 7. Initiatives for Transparency & Accountability

- ▶ Saving life and Good Samaritan Law ☐
- ▶ Pro-Active Governance and Timely Implementation (PRAGATI)\ ☐
- ▶ Right Based Approach in Policy Making ☐
- ▶ Direct Benefit transfer ☐
- ▶ Issues related to Making Aadhaar Mandatory ☐
- ▶ Reforms needed in Indian Bureaucracy ☐
- ▶ Performance appraisal system in bureaucracy ☐
- ▶ Curb on VIP culture ☐

### 8. Scheme

- ▶ Pradhan Mantri Jan-Dhan Yojana (PMJDY) ☐
- ▶ Swatchh Bharat Mission ☐
- ▶ National Skill Development Mission ☐
- ▶ National Food Security Act, 2013 ☐
- ▶ Sansad Adarsh Gram Yojana ☐
- ▶ Smart City Mission ☐
- ▶ Namami Gange ☐

### 9. Reports & Policies

- ▶ Niti aayog's report on rationalization of Centrally Sponsored Schemes ☐
- ▶ Law Commission's 268th Report on Bail Reforms ☐
- ▶ Law Commission Report on Hate Speech ☐
- ▶ Model Land Leasing Law prepared by NITI Aayog ☐
- ▶ Standing Committee Report on water conservation ☐
- ▶ Report on Working Group on Migration ☐

## 10. Miscellaneous

- ▶ Liquor ban on highways: critical analysis ☐
- ▶ SC Makes National Anthem Mandatory ☐
- ▶ National Water Framework Bill ☐
- ▶ Regionalism: Demand for smaller states ☐
- ▶ Directly Elected Mayor ☐
- ▶ Special category status to states: Meaning and demand ☐
- ▶ Analysis of Singur Verdict ☐
- ▶ Debate on the issue of Lobbying in India ☐

- ▶ Media Role and Censorship issue ☐
- ▶ Fundamental Duties - Awareness Campaigns is the Duty of Centre ☐
- ▶ National Anthem - Mandatory in Cinema Halls - Article 51(a) ☐
- ▶ Prevention of Insults to National Honor Act, 1971 ☐
- ▶ Triple Talaq Issue ☐
- ▶ Uniform Civil Code ☐
- ▶ MGNREGA: Right to Work ☐
- ▶ Making AADHAR Mandatory Violates Fundamental Rights ☐



Remarks

# International Relations

## INDIA & NEIGHBORS

### 1. India – Nepal Relations

- ▶ Background of Relation ☐
- ▶ Political ☐
- ▶ Economic ☐
- ▶ The Issue of Water and Hydropower Cooperation ☐
- ▶ Social ☐
- ▶ Psychological ☐
- ▶ The Recent Visit of Prime Minister Narendra Modi ☐
- ▶ Recommendations to Improve Relations ☐

### 2. India and Bhutan

- ▶ Economy: A Broad Overview ☐
- ▶ India, Bhutan and China: issues ☐
- ▶ The Recent Landmark visit by Indian Prime Minister ☐

### 3. Indo-Afghan Bilateral Relations

- ▶ A Long History of Bilateral Relations ☐
- ▶ The India-Afghanistan Development Partnership ☐
- ▶ Strategic factors undergirding India's Partnership with Afghanistan ☐
- ▶ Afghanistan after NATO Withdrawal ☐
- ▶ Options for India ☐

### 4. India-Bangladesh Relations

- ▶ Development Partnership ☐
- ▶ India-Bangladesh Relations in line with 'Look East' policy ☐
- ▶ Recent Boundary Agreements and their analysis ☐

### 5. India-Maldives Relations

- ▶ Geostrategic Importance of Maldives ☐
- ▶ Development Cooperation ☐
- ▶ Security Risks ☐

### 6. India-Sri Lanka Relations

- ▶ Commercial Relations ☐
- ▶ Developmental Cooperation ☐
- ▶ Fishermen Issue ☐

### 7. India-Myanmar Relations

- ▶ Relation through ages ☐
- ▶ Recent change in policy ☐
- ▶ China Role ☐

### 8. Indo-Pak Relations

- ▶ Major Crisis ☐
- ▶ Water Dispute ☐
- ▶ Current Internal Scenario ☐
- ▶ Impact on India ☐
- ▶ Developments in Last One Year ☐

### 9. Indo-Chine Relations

- ▶ Economic Relation ☐
- ▶ China India Water Related Issue ☐
- ▶ "String of Pearls Strategy" ☐
- ▶ China's Maritime Silk Route Implications for India ☐

### 10. South China Sea Dispute

- ▶ Main Disputes ☐
- ▶ Resources as a Driver of Competition ☐

- ▶ Attempts for Resolution ☐
- ▶ India and South China Dispute ☐

### 11. Security Challenges in the Indian Ocean Region

- ▶ The Pivot to Asia – US Policy Shift ☐
- ▶ South China Sea- Issues of Mistrust ☐

- ▶ Piracy off the Coast of Somalia ☐
- ▶ Neighbourhood Issues and Terrorism ☐
- ▶ Energy Routes ☐
- ▶ Fisheries and Livelihood Issues ☐
- ▶ Environmental Security ☐
- ▶ Declaration of Indian Ocean as Zone of Peace ☐
- ▶ India and Asian Nations relations ☐

## INDIA & ASIAN NATIONS RELATIONS

### 1. CIS Countries of Central Asia

- ▶ India-Turkmenistan ☐
- ▶ India-Kazakhstan ☐
- ▶ India Tajikistan ☐
- ▶ China And Central Asia ☐
- ▶ International North-South Transport Corridor ☐
- ▶ Shanghai Cooperation Organisation ☐

### 2. India-Mongolia

- ▶ India-Mongolia Bilateral Cooperation ☐
- ▶ Deal on Uranium Supply ☐
- ▶ Visit ☐

### 3. India – UAE Relations

- ▶ Political and economic relation ☐
- ▶ Oil Economic Relation ☐

### 4. India – IRAN

- ▶ Iran Nuclear Deal and India ☐
- ▶ India Iran Relations ☐
- ▶ US-Geopolitical and Geo-Economic Consideration in Iran ☐

### 5. India – ISRAEL

- ▶ Israel and Palestine ☐
- ▶ India – Israel Relations ☐

### 6. India – Saudi Arabia

- ▶ Areas of Cooperation ☐
- ▶ Challenges in relations ☐

### 7. Asia-Pacific Region

- ▶ Zones of Activity ☐
- ▶ Regional Groupings ☐
- ▶ Geopolitics of Asia Pacific ☐

### 8. India-South East Asia

- ▶ Steps in Indo-ASEAN Relations ☐
- ▶ India-ASEAN Security Co-operation ☐

### 9. Indo-Japan Bilateral Relationship

- ▶ Economy Centric Relationship ☐
- ▶ Contemporary Perspective ☐

### 10. India – South Korea

- ▶ India South Korea Relations ☐
- ▶ Economic Partnership in Recent Years ☐

### 11. India-Vietnam

- ▶ Economic Cooperation ☐
- ▶ Strategic Cooperation ☐
- ▶ Geo-political Issues concerning India-Vietnam Energy Cooperation ☐
- ▶ China's Response ☐
- ▶ India's Response ☐

## INDIA & ASIAN NATIONS RELATIONS

### 1. Indian Diaspora

- ▶ Role played by Indian Diaspora ☐
- ▶ Issue of safety of Indians abroad ☐

- ▶ Schemes for Welfare of Overseas Indian ☐
- ▶ Narendra Modi and Indian Diaspora ☐

# INDIA & OTHER NATION & INSTITUTIONS

## 1. India and Africa

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

## 2. Indo-Australia Relationship

- ▶ Immigration Issue and Indian Diaspora ☐
- ▶ Economic Relationship ☐
- ▶ Issue of Nuclear Cooperation ☐
- ▶ 26. India-Russia Bilateral Relationship ☐
- ▶ Shanghai Co-operation Organization ☐
- ▶ Warming Relationship between Pakistan and Russia ☐

## 3. France

- ▶ Strategic Partnership ☐
- ▶ Prime Minister's Recent Visit to France ☐
- ▶ 28. Germany ☐
- ▶ Indian-Germany Economic Relations ☐

## 4. United Kingdom

- ▶ Ties in Current Context ☐
- ▶ Scotland's Referendum ☐
- ▶ India & BREXIT ☐

## 5. India-USA Relations

- ▶ Area of Co-operation: Strategic Consultations ☐
- ▶ Area of Co-operation : Counter terrorism and Internal Security ☐
- ▶ Area of Co-operation : Trade and Economic ☐

- ▶ Area of Co-operation : Energy and Climate Change ☐
- ▶ Area of Co-operation : Science & Technology (S&T) and Space ☐
- ▶ Area of Co-operation : People to People Ties ☐
- ▶ Area of Co-operation : Defence Cooperation ☐
- ▶ Intellectual Property Issues ☐
- ▶ India and International Organisations ☐

## 6. The World Trade Organization

- ▶ Representation in the WTO and Economic Groupings ☐
- ▶ How the WTO takes Decisions ☐
- ▶ The WTO Secretariat and Budget ☐
- ▶ How Countries Join the WTO ☐
- ▶ Assisting Developing and Transition Economies ☐
- ▶ Specialized Help for Export Promotion ☐
- ▶ The WTO's Part in Global Economic Policy-making ☐
- ▶ Nairobi Package adopted at 10<sup>th</sup> WTO Ministerial Conference ☐
- ▶ WTO reports rise in protectionism ☐

## 7. International Monetary Fund

- ▶ International Monetary Fund (IMF) ☐
- ▶ India gets more Voting Rights in IMF Reforms ☐

## 8. Nuclear Security Summit

- ▶ The fourth Nuclear Security Summit: 2016 ☐
- ▶ Threats of Nuclear Terrorism ☐
- ▶ Missile Technology Control Regime (MTCR) ☐
- ▶ Nuclear Suppliers Group (NSG) ☐
- ▶ Recent Support for NSG Membership for India ☐
- ▶ Why is India seeking to become a member of NSG? ☐
- ▶ Why are certain countries opposing India's entry into NSG? ☐
- ▶ Argument in favour for India Joining NSG ☐

## 9. BRICS

- ▶ Economic Environment in BRICS Countries ☐
- ▶ Last BRICS Summit in Goa, India ☐
- ▶ BRICS-BIMSTEC Outreach Summit ☐

### 10. BIMSTEC

- ▶ Convention on Mutual Legal Assistance in Criminal Matters ☐

### 11. IBSA

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

### 12. SAARC

- ▶ Indo-Pak Conflict ☐
- ▶ Problem of Resource Development ☐

- ▶ Prospects For SAARC ☐

### 13. Relevance of Non-Alignment in present India

- ▶ What is NAM? ☐
- ▶ Relevance in present era ☐

### 14. India-ASEAN Economic Cooperation

- ▶ Singapore ☐
- ▶ Vietnam ☐
- ▶ Indonesia ☐
- ▶ India ASEAN FTA in Service ☐



Remarks

# Economy

## BASIC ECONOMY

### 1. 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 ☐
- ▶ Technical details ☐
- ▶ Planning History ☐
- ▶ Analysis of each plan ☐

### 2. 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 ☐

### 3. Inclusive growth and issues arising from it

- ▶ Meaning and concept of Inclusion ☐
- ▶ India's experience ☐
- ▶ Social sector initiatives and inclusion process ☐
- ▶ Ground reality and working of flagship schemes ☐
- ▶ India's growth story in this context ☐
- ▶ Why India's growth is not inclusive? ☐
- ▶ Rural economy based growth ☐
- ▶ Need of Sustainable agriculture, food security and resilience for growth. ☐
- ▶ Public distribution schemes: Way to inclusive growth. ☐
- ▶ Financial inclusion as an instrument of inclusive growth. ☐
- ▶ Poverty Alleviation and Employment Generation as a strategy for inclusive growth ☐
- ▶ Social sector development as an instrument for inclusive growth. ☐
- ▶ Public private partnership for inclusive growth ☐
- ▶ Industrial Integration for inclusive growth ☐
- ▶ Sectoral and regional diversification as a tool for inclusive growth. ☐

### 4. Government Budgeting

- ▶ Budget terminology ☐
- ▶ Types of budget ☐
- ▶ Features of outcome budgeting ☐
- ▶ Merger of Railway and General Budget ☐
- ▶ Benefits of budgeting ☐

- Flaws in budgeting process ☐
- Budget analysis ☐

## 5. Investment models

- Measures of Investment ☐
- Capital and investment ☐
- Factors affecting investment ☐
- Classification of Investment ☐
- FDI ☐
- Angel Investors and Start-ups ☐
- M&A ☐
- Investment Models ☐
- Role of State ☐
- PPP (Public-Private Partnership) ☐
- Savings and Investment Trends ☐

## 6. Fiscal policy

- Fiscal Policy in India ☐
- Important Budgetary Terms and Fiscal Concept ☐
- Government Revenues & Spending ☐
- Deficits ☐
- Balance Sheet ☐

## 7. Taxation

- Taxation Meaning ☐
- Principles of Taxation ☐
- Objectives of Taxation ☐
- Taxation for Mobilization of Resources ☐
- Tax System in India ☐
- Subsidies ☐
- Tax Reforms ☐
- GST ☐

## 8. 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 ☐

## 9. Financial system

- Money Market in India ☐
- Capital Market in India ☐
- Indian Capital Market Regulatory Framework ☐
- Primary Market Reforms in India ☐
- Secondary Market Reforms in India ☐

## 10. Banking

- Indian Banking System ☐
- Functions of Commercial Banks ☐
- Challenges Faced by Commercial Banks in India ☐
- Nationalization of Banks in India ☐
- Banking Reforms in India ☐
- New Bank Licence Criteria ☐
- Small Finance Banks and Payment Banks Criteria ☐
- Non-Banking Financial Company (NBFC) ☐
- Terminologies/Concepts Related to Banking in India ☐
- Financial Inclusion ☐
- NPAs ☐
- Bills related to Banking ☐

## 11. Foreign trade & International Organisations

- International Trade ☐
- Trade Policy ☐
- Balance of Payments ☐
- Foreign Capital ☐
- Impact of Globalization on Indian Economy ☐
- International Monetary Fund ☐
- WTO ☐
- World Bank Group ☐
- AIIB and NDB ☐

# AGRICULTURE

## 1. Role of Agriculture in Indian Economy

## 2. Land resource

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

- Sustainable Land Management ☐

### 3. Land Reforms

- Objectives of Land Reforms in India ☐
- Progress of Land Reforms in India ☐
- Progress of Ceiling Legislation ☐
- NITI Aayog Report on Land Leasing ☐

### 4. Agriculture Finance

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

### 5. Agricultural Credit Institutions

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

### 6. Crop Insurance in India

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

### 7. Agriculture Marketing

- Process of Agricultural Marketing in India ☐
- Structure of Agricultural Marketing in India ☐
- Importance of Proper Agriculture Marketing ☐
- Government Measures to Improve Agricultural Marketing in India ☐
- Analysis of APMC Act ☐

### 8. Subsidies

- Objectives of subsidies ☐
- Transfer of resources from gainers from economic policies to losers from economic policies ☐
- Farm Subsidies ☐
- Fertiliser subsidies ☐
- Subsidy on power ☐
- Subsidy on irrigation ☐
- Rationale of Minimum Support Price ☐
- Impact of MSP on inflation ☐
- Public Distribution System: Objectives, functioning, limitations, revamping, evolution from universal PDS to targeted PDS, Targeted PDS, a critical analysis of cost and benefit of PDS ☐
- Buffer Stock policy and government's intervention in food market to keep prices under reasonable limits to help consumers ☐
- Food Security bill, questions of resource mobilization for the FSB, criticism of the FSB ☐
- Important questions on the future of subsidies ☐

### 9. Agricultural Revolutions in India

- Green Revolution ☐
- White Revolution – Operation Flood ☐
- Yellow Revolution ☐
- Blue Revolution ☐
- Golden Fiber Revolution: Jute ☐

### 10. Food Processing

- Processed Foods Scenario with respect to Specific Sectors ☐
- Policy Initiatives ☐
- Infrastructure Development in Food Processing Sector ☐
- Issues in Food Processing Sector ☐
  - FDI Policy in Food Processing ☐
  - Notable Trends in the Indian Food Processing Sector ☐
  - Strategies Adopted in Budget ☐
  - New foreign and domestic investment ☐
  - Sector-specific government policies ☐

# INDUSTRY

## 1. Industrial policy and industrial development: Main Issues

- ▶ Mahalanobis strategy and India's industrial policy-Discussing Industrial policy resolution 1948 and 1956 critically ☐
- ▶ New Economic Policy and Industrial policy under the policy of liberalization, privatization and globalization ☐
- ▶ Phases of Industrial development ☐

## 2. Main features of Industrial development in India

- ▶ Roles of private sector and public sector, Investment in the industrial sector, employment, productivity, profit etc. ☐
- ▶ Strategies for disinvestment and privatization ☐
- ▶ Role of Small, Medium and Micro enterprises, Government Policy, ☐

main problems, effects of globalization

- ▶ New Manufacturing Policy ☐
- ▶ Industrial disbursement and Industrial corridors ☐
- ▶ SEZs- Main issues like land use, relocation of same industries that exist, exports earnings vs loss of tax income ☐
- ▶ Industrial sickness, institutional mechanism to support the sick industries, exit policy issues ☐
- ▶ Main constraints in the industrial development of India ☐
- ▶ Effects of globalization on industries, Sub-prime crisis and sovereign debt crisis on Industry in India ☐
- ▶ Industrial Finance in India: Role of development banking, commercial banking, venture capital, angel capital in industrialization and promotion of entrepreneurship ☐
- ▶ Make in India achievements ☐

# TRANSPORT

- ▶ Transport ☐
- ▶ Importance and development of transport ☐
- ▶ Means of transport ☐
- ▶ Transport costs and economic distance ☐
- ▶ Operating costs in transport ☐
- ▶ Relative importance of means of transport: Railways, Roads, Pipeline, Oceans, Air transport ☐
- ▶ Profits and freight rates ☐
- ▶ Government's transport policy ☐
- ▶ Transport patterns in the world: Oceanic transport ☐
- ▶ Ocean transport routes ☐
- ▶ Inland waterways ☐
- ▶ Main regions of inland waterways ☐
- ▶ Railways: Factors affecting the railroads ☐
- ▶ Distribution of railroads in the world ☐
- ▶ Factors influencing air transport ☐
- ▶ Pipeline Transport ☐
- ▶ Petroleum (oil) Pipelines ☐
- ▶ Gas Pipelines ☐

- ▶ 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 ☐
  - Impact of Infrastructure-Economic Impacts, impact on social development, Environmental impacts ☐

# RECENT DEVELOPMENTS

## 1. Finance

- ▶ Changes in Budget process in India ☐
- ▶ Public Debt Management Cell ☐
- ▶ IBBI and INSOLVENCY RULES ☐
- ▶ Demonetization and its impact ☐
- ▶ Goods and Services Tax ☐
- ▶ Digital Payments scenario ☐
- ▶ Task Force Releases draft Bill to establish a Financial Data Management Centre ☐
- ▶ Task Force report on Financial Redress Agency Released ☐
- ▶ Law Commission submits report on Income Tax related to Minors ☐
- ▶ Consumer get free hand on paying service charge ☐
- ▶ Monetary Policy Committee Review ☐
- ▶ Report of Working Group on development of Corporate Bond Market in India ☐
- ▶ Concept of municipal bonds ☐
- ▶ Lower taxes, higher compliance: implication on economy ☐

## 2. Banking

- ▶ Bank Consolidation: Pros and Cons ☐
- ▶ Concept of willful defaulter ☐
- ▶ Concept of bad bank ☐
- ▶ Shadow banking ☐
- ▶ Non Performing Assets ☐
- ▶ Debate on RBI autonomy ☐
- ▶ INDRADHANUSH Analysis ☐
- ▶ MCLR regime ☐
- ▶ Unified Payment Interface ☐
- ▶ India's Post payment bank ☐
- ▶ Issue of Balance Sheet Syndrome ☐
- ▶ Differentiated Bank Licenses ☐

## 3. Industry

- ▶ Standing Committee submits report on Industrial Policy ☐
- ▶ Draft National Food Processing Policy Released ☐
- ▶ Initiatives for Fund for start-ups ☐
- ▶ Companies need to look beyond CSR ☐
- ▶ Merger of telecoms ☐
- ▶ National Company Law Tribunal ☐

- ▶ Initiatives to support MSME sector ☐
- ▶ Model Shop and Establishment Bill, 2016 ☐
- ▶ National Capital Goods Policy ☐
- ▶ H1B visa rules and IT sector ☐
- ▶ Ease of doing business initiatives in Realty sector ☐
- ▶ Coal linkage policy ☐
- ▶ Ministry releases Draft Labor Code on Social Security ☐
- ▶ Analysis of Competition Commission of India ☐

## 4. Agriculture

- ▶ NITI Aayog report on Agriculture ☐
- ▶ Agricultural Index by NITI Aayog ☐
- ▶ Defects in Procurement Policy ☐
- ▶ Reforming trade in agriculture products ☐
- ▶ Report on incentivising production of pulses released by Ministry of Finance ☐
- ▶ Draft Model APMC Act, 2016 released ☐

## 5. Infrastructure

- ▶ Sagarmala project ☐
- ▶ Inland waterways in India ☐
- ▶ Safety issues in Railways ☐
- ▶ Draft policy for providing New Suburban Rail Systems released ☐
- ▶ NITI Aayog releases report on the impact of social service obligations by Railways ☐
- ▶ Indian Railway Tourism Policy ☐
- ▶ Aviation Sector and Regional Connectivity Scheme ☐
- ▶ Air Service Agreement ☐
- ▶ HELP ☐
- ▶ Ministry of Power releases guidelines on cross-border trading of electricity ☐
- ▶ Supreme Court bans sale of vehicles not compliant with BS IV standards ☐
- ▶ Multi-Modal Transport System ☐

## 6. External sector

- ▶ Model Bilateral investment treaty ☐
- ▶ Phasing out of FIPB ☐
- ▶ FDI status and issues ☐
- ▶ Permanent residency status to foreign investors ☐
- ▶ Dispute Settlement Mechanism in WTO ☐

- ▶ Increase in International Trade Dispute ☐
- ▶ FTP 2015-20 ☐
- ▶ Reforms in IMF quota ☐

## 7. Committees

- ▶ FSLRC - Financial Sector Legislative Reforms Commission: Analysis ☐
- ▶ Nachiket Mor Committee Report ☐
- ▶ P.J Nayak Committee ☐
- ▶ Vijay Kelkar Committee on PPP ☐
- ▶ Parthasarathi Shome committee on GAAR ☐
- ▶ Urjit Patel Committee Report on Monetary Policy ☐
- ▶ Mahapatra Committee (NBFC Loan Restructuring) ☐

- ▶ Usha Thorat Committee ☐
- ▶ Debroy Committee on Railways ☐
- ▶ N.K. Sing Panel Report on FRBM ☐
- ▶ Shanta Kumar Committee ☐
- ▶ Ratan Watal Committee on Digital Payments ☐

## 8. Miscellaneous

- ▶ Unemployment survey ☐
- ▶ India's first International Arbitration Centre inaugurated. ☐
- ▶ Ponzi scheme and Issues ☐
- ▶ Fat tax: concept analysis ☐
- ▶ National Student Start Up Policy ☐



*Remarks*

# Science & Technology

## BIOLOGY

### 1. Chemical Building Blocks of Life

### 2. History and Origin of Life

### 3. Cells

- ▶ Cell Structure ☐
- ▶ Membranes ☐
- ▶ Cell-Cell Interactions ☐
- ▶ Energy and Metabolism ☐
- ▶ Respiration ☐
- ▶ Photosynthesis ☐
- ▶ How Cells Divide ☐
- ▶ Sexual Reproduction ☐

### 4. Genetics

- ▶ Inheritance ☐
- ▶ DNA, The Genetic Material ☐
- ▶ Gene Expression ☐
- ▶ Gene Regulation ☐
- ▶ Mutation ☐
- ▶ Recombinant DNA Technology ☐

### 5. Classification of Living Things

- ▶ Classification and Domains of Life ☐
- ▶ General Biology/Classification of Living Things/Viruses ☐
- ▶ Prokaryotes ☐
- ▶ Eukaryotes ☐
- ▶ Protists ☐
- ▶ Plants ☐
- ▶ Fungi ☐
- ▶ Animals ☐

### 6. Evolution

- ▶ Evolution of Life ☐
- ▶ Animal Evolution ☐
- ▶ Human Evolution ☐

### 7. Tissues

- ▶ Epithelial tissue ☐
- ▶ Connective tissue ☐
- ▶ Muscle tissue ☐

### 8. Economic Zoology

- ▶ Beneficial animals: Corals - Earthworm - Vermiculture - Beneficial insects  
Prawns - Lobsters - Crabs - Pearl oysters - Fishes - Guano - Aquarium - Vivarium. ☐
- ▶ Harmful animals: Disease causing organisms  
Vectors - Poisonous organisms - Fouling organisms - Pests. ☐

### 9. Endocrine System

- ▶ Hypothalamus ☐
- ▶ Pineal body (epiphysis) ☐
- ▶ Pituitary gland (hypophysis) ☐
- ▶ Thyroid ☐
- ▶ Adrenal glands ☐
- ▶ Reproductive glands ☐

### 10. Respiration

- ▶ External and Internal Respiration ☐
- ▶ Respiratory system in Plants ☐
- ▶ Respiratory System in Insects ☐
- ▶ Respiratory System in Humans and Animals ☐

## 11. The Transport System in Organisms

- ▶ Transport system in a Cell ☐
- ▶ Transport System in Plants ☐
- ▶ Transport System in Animals ☐
- ▶ Blood Vascular System ☐
- ▶ The Lymphatic System ☐

## 12. Skeletal and Muscular Systems

- ▶ Bone and Skeleton System (Osteology) ☐
- ▶ Ligaments (Syndesmology) ☐
- ▶ Muscular System (Myology) ☐
- ▶ Vertebrates ☐

## 13. Reproduction

- ▶ Asexual Reproduction in Plants ☐
- ▶ Asexual Reproduction in Animals ☐
- ▶ Sexual Reproduction in Plants ☐

- ▶ Sexual Reproduction in Animals ☐
- ▶ Sexual Reproduction in Humans ☐

## 14. Excretion, Osmoregulation and Thermoregulation

- ▶ Excretory products ☐
- ▶ Excretion in plants ☐
- ▶ Excretion in Animals ☐
- ▶ Osmoregulation, ADH and formation of Urine in Animals ☐
- ▶ Physiological and Behavioural Adjustments ☐

## 15. Nutrition

- ▶ Classification by Source of Energy and Carbon ☐
- ▶ Plant Nutrition ☐
- ▶ Animal Nutrition ☐
- ▶ Human Diet ☐
- ▶ The Digestive System ☐

# INSTITUTIONS & POLICY

- ▶ India's policy in the field of the science and technology ☐
- ▶ The S&T policy resolution in 1958 ☐
- ▶ S&T policy of the 1983 ☐
- ▶ S&T policy of the 2003 ☐
- ▶ S&T policy 2013 ☐
- ▶ Institutional structure ☐
- ▶ Department of Science & Technology ☐
- ▶ CSIR ☐
- ▶ Survey of India ☐
- ▶ Science and Engineering Research Council ☐
- ▶ Technology Development Board ☐
- ▶ National Accreditation Board For Testing And Calibration Laboratories ☐

- ▶ Science and technology as a source of Human Resource Development ☐
- ▶ Awards related to Science ☐
- ▶ New Initiatives Aligned with the National Agenda ☐
- ▶ India and World collaboration in science projects ☐
- ▶ Technology Vision Document 2035 ☐
- ▶ National Biotechnology Development Strategy 2015-2020 ☐
- ▶ National Intellectual Property Rights Policy ☐
- ▶ Organ donation rules in India ☐
- ▶ Policy on Synthetic Biology ☐

# BIOTECHNOLOGY

## 1. Genetics and biotechnology

- ▶ Industrial genetics ☐
- ▶ Protoplast and cell fusion technologies ☐
- ▶ Genetic engineering ☐
- ▶ DNA sequencing ☐
- ▶ Nucleic acid probes ☐
- ▶ Genomics and proteomics ☐
- ▶ Antisense and RNA interface ☐

- ▶ Potential laboratory biohazards of genetic engineering ☐
- ▶ Bioprocess/fermentation technology ☐

## 2. Biological fuel generation

- ▶ Global warming and the significance of fossils fuels ☐
- ▶ Photosynthesis: the ultimate energy source ☐
- ▶ Biofuels from biomass ☐

- ▶ Bioethanol from biomass ☐
- ▶ Biodiesel ☐
- ▶ Methane ☐
- ▶ Hydrogen ☐

### 3. Environmental Biotechnology

- ▶ Microbial Ecology Environmental Biotechnology ☐
- ▶ Waste water and sewage treatment ☐
- ▶ Landfilling technologies ☐
- ▶ Composting ☐
- ▶ Bioremediation ☐
- ▶ Detect and monitoring of pollutants ☐
- ▶ Microbes and the geological environment ☐
- ▶ Environmental sustainability and clean technology ☐

### 4. Plant and Forest Biotechnology

- ▶ Plant biotechnology ☐
- ▶ Forest biotechnology ☐

### 5. Animal and Insect Biotechnology

- ▶ Genetic manipulation and transgenic animals ☐
- ▶ Genetically engineered hormone and vaccines ☐
- ▶ Animal organs for human patients ☐
- ▶ Genetically modified insects ☐

### 6. Food and beverage biotechnology

- ▶ Food and beverage fermentations ☐
- ▶ Microorganisms as food ☐
- ▶ Enzymes and food processing ☐
- ▶ Amino acids, vitamins and sweeteners ☐
- ▶ Organic acids and polysaccharides ☐
- ▶ Public acceptance and safety of ☐

new biotechnology foods

- ▶ Biotechnology and medicine ☐
- ▶ Pharmaceuticals and biopharmaceuticals ☐
- ▶ Antibiotics ☐
- ▶ Vaccines and monoclonal antibodies ☐
- ▶ Biopharmaceuticals/therapeutic proteins ☐
- ▶ Pharmacogenetics ☐
- ▶ Molecular biology and human disease ☐
- ▶ Diagnostics in developing countries ☐
- ▶ Gene therapy ☐
- ▶ Systems biology and medicine ☐
- ▶ Stem cell biotechnology ☐

### 7. Protection of biotechnological inventions

- ▶ Patent protection Trade secrets ☐
- ▶ Plant breeders' rights ☐

### 8. Recent initiatives in Health & Biotechnology

- ▶ Recent initiatives in Health & Biotechnology ☐
- ▶ Diseases in News ☐
- ▶ India Declared Maternal and Neonatal Tetanus, H5N1 and Yaws Free ☐
- ▶ IPV Injection ☐
- ▶ Mission Indradhanush ☐
- ▶ New TB Drug Regimen ☐
- ▶ E-Cigarettes ☐
- ▶ Digital Biopiracy ☐
- ▶ Kendrapara Sheep ☐
- ▶ DNA Tagging of Convicts ☐
- ▶ U.K. Grants Gene Editing Licence ☐
- ▶ Genetically Modified Mosquito ☐
- ▶ Designer Babies' OR Three Parents Babies ☐
- ▶ U.K. Grants Gene Editing Licence ☐
- ▶ National Biotechnology Development Strategy 2015-2020 ☐

## SPACE

- ▶ Types of orbits ☐
- ▶ Launch Vehicle ☐
- ▶ Satellite communication in India ☐
- ▶ INSAT Satellite application ☐
- ▶ Remote sensing applications ☐
- ▶ Cryogenic rockets ☐
- ▶ Global Positioning System ☐
- ▶ Galileo ☐

- ▶ GLONASS ☐
- ▶ IRNSS ☐
- ▶ GAGAN ☐
- ▶ Chandrayaan – I & II ☐
- ▶ Mars Orbiter Mission ☐
- ▶ Space Organisations ☐
- ▶ Space race/Space junk ☐
- ▶ Recent updates ☐

- |                                                                |                          |                                                   |                          |
|----------------------------------------------------------------|--------------------------|---------------------------------------------------|--------------------------|
| ▶ South Asia Satellite: Significance                           | <input type="checkbox"/> | ▶ RESOURCESAT- 2A                                 | <input type="checkbox"/> |
| ▶ Neutrino Observatory                                         | <input type="checkbox"/> | ▶ ASTROSAT                                        | <input type="checkbox"/> |
| ▶ Solar Mission- ADITYA                                        | <input type="checkbox"/> | ▶ Sunspot                                         | <input type="checkbox"/> |
| ▶ Gravitational Waves                                          | <input type="checkbox"/> | ▶ Magnetars                                       | <input type="checkbox"/> |
| ▶ FAST (Five-hundred-meter Aperture Spherical radio Telescope) | <input type="checkbox"/> | ▶ Neutron stars                                   | <input type="checkbox"/> |
| ▶ Spitzer Space Telescope                                      | <input type="checkbox"/> | ▶ Air-breathing propulsion system                 | <input type="checkbox"/> |
| ▶ Giant Metrewave Radio Telescope                              | <input type="checkbox"/> | ▶ Space Junk                                      | <input type="checkbox"/> |
| ▶ Chandra X-ray Observatory                                    | <input type="checkbox"/> | ▶ Graveyard Orbit                                 | <input type="checkbox"/> |
| ▶ James Webb Space Telescope                                   | <input type="checkbox"/> | ▶ India, NASA join hands for Astrobiology Mission | <input type="checkbox"/> |
| ▶ ARIES/Devasthal Telescope                                    | <input type="checkbox"/> | ▶ Neutrino Observatory                            | <input type="checkbox"/> |
| ▶ Multi Application Solar Telescope                            | <input type="checkbox"/> | ▶ Indian Space Vision-2025                        | <input type="checkbox"/> |
| ▶ Thirty Metre Telescope                                       | <input type="checkbox"/> |                                                   |                          |

## DEFENCE

- |                                     |                          |                                     |                          |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| ▶ Missile system and classification | <input type="checkbox"/> | ◦ Dhanush                           | <input type="checkbox"/> |
| ▶ On the basis of type              | <input type="checkbox"/> | ◦ Astra                             | <input type="checkbox"/> |
| ▶ On the basis of launch vehicle    | <input type="checkbox"/> | ◦ Prahaar                           | <input type="checkbox"/> |
| ▶ On the basis of Range             | <input type="checkbox"/> | ▶ BrahMos Missile System            | <input type="checkbox"/> |
| ▶ On the basis of propulsion system | <input type="checkbox"/> | ▶ Indian Submarines and Naval Ships | <input type="checkbox"/> |
| ▶ India's Missile System            | <input type="checkbox"/> | ▶ Light Combat Aircraft             | <input type="checkbox"/> |
| ◦ Agni                              | <input type="checkbox"/> | ▶ Unmanned Aerial Vehicle           | <input type="checkbox"/> |
| ◦ Prithvi                           | <input type="checkbox"/> | ▶ Stealth technology                | <input type="checkbox"/> |
| ◦ Trishul                           | <input type="checkbox"/> | ▶ Chemical Weapon                   | <input type="checkbox"/> |
| ◦ Nag                               | <input type="checkbox"/> | ▶ Biological Weapon                 | <input type="checkbox"/> |

## NUCLEAR ENERGY

- |                                             |                          |                                                             |                          |
|---------------------------------------------|--------------------------|-------------------------------------------------------------|--------------------------|
| ▶ Types of nuclear reactions                | <input type="checkbox"/> | ▶ Impact of Radiation                                       | <input type="checkbox"/> |
| ▶ Nuclear Power Reactor                     | <input type="checkbox"/> | ▶ Issue of Radioactive Waste                                | <input type="checkbox"/> |
| ▶ N-Power Policy of India                   | <input type="checkbox"/> | ▶ Institutions involved in Nuclear energy Development, AERB | <input type="checkbox"/> |
| ▶ Advantages of Nuclear Energy              | <input type="checkbox"/> | ▶ Safety standards in Nuclear Power plants                  | <input type="checkbox"/> |
| ▶ Disadvantages of Nuclear Energy           | <input type="checkbox"/> | ▶ Nuclear & Radiological Disasters                          | <input type="checkbox"/> |
| ▶ Non-energy applications of Nuclear energy | <input type="checkbox"/> |                                                             |                          |

## IT, ELECTRONICS & TELECOM

- |                                      |                          |                      |                          |
|--------------------------------------|--------------------------|----------------------|--------------------------|
| ▶ Computers                          | <input type="checkbox"/> | ▶ Cathode ray        | <input type="checkbox"/> |
| ▶ Generation of computers            | <input type="checkbox"/> | ▶ LCD                | <input type="checkbox"/> |
| ▶ Computer terminologies             | <input type="checkbox"/> | ▶ LED                | <input type="checkbox"/> |
| ▶ Supercomputer and its applications | <input type="checkbox"/> | ▶ Plasma Monitors    | <input type="checkbox"/> |
| ▶ Information technology             | <input type="checkbox"/> | ▶ OLED               | <input type="checkbox"/> |
| ▶ Components of IT                   | <input type="checkbox"/> | ▶ Telecommunications | <input type="checkbox"/> |
| ▶ IT enabled services                | <input type="checkbox"/> | ▶ Mobile generations | <input type="checkbox"/> |
| ▶ Application of IT                  | <input type="checkbox"/> | ▶ Smartfone          | <input type="checkbox"/> |
| ▶ Display technologies               | <input type="checkbox"/> | ▶ Important concepts | <input type="checkbox"/> |

- ▶ Government initiatives ☐
- ▶ Digital India Initiative ☐
- ▶ MeghRaj ☐
- ▶ Code Free for India ☐
- ▶ E-Kranti ☐
- ▶ Bharat Net project ☐

- ▶ Bharat QR ☐
- ▶ Contemporary debates ☐
- ▶ Net Neutrality ☐
- ▶ Internet of Things ☐
- ▶ Big Data Initiative and Privacy ☐
- ▶ Cyber crime and security ☐

## RECENT DEVELOPMENTS IN IT & TELECOM

- ▶ Cyber Swachhta Kendra ☐
- ▶ BharatQR ☐
- ▶ Digital Transaction Methodologies ☐
- ▶ Smart Credit Cards ☐
- ▶ Bharat Net Project ☐
- ▶ Wi-fi Technology ☐

- ▶ Block Chain Technology and Bitcoins ☐
- ▶ Digital Terrestrial Television Transmission System ☐
- ▶ Disaster Management Network ☐
- ▶ PARAM ISHAN ☐
- ▶ Internet of Things ☐

## NANO-SCIENCE & NANO TECHNOLOGIES

- ▶ What is Nanoscience and Nanotechnology? ☐
- ▶ Origination of Nanoscience and Technology ☐
- ▶ Basics of Nanoscience ☐
- ▶ Nanomaterials ☐
- ▶ Applications of nanotechnology ☐
- ▶ Nano medicine ☐
- ▶ Semiconductors and computing ☐
- ▶ Food ☐
- ▶ Textiles ☐

- ▶ Sustainable energy ☐
- ▶ Environment ☐
- ▶ Transport ☐
- ▶ Space ☐
- ▶ Agriculture ☐
- ▶ Adverse Health and Environmental Impacts of Nanotechnology ☐
- ▶ Social and Ethical Impacts: ☐
- ▶ Nano-science and nano-technology in India ☐

## ROBOTICS

- ▶ What is Robotics? ☐
- ▶ Machine vs Computer vs Robots ☐
- ▶ Parts of a Robot ☐
- ▶ Controller ☐
- ▶ Manipulator ☐
- ▶ End Effector ☐
- ▶ Sensor ☐
- ▶ Classification of Robots ☐
- ▶ Rolling Robots ☐
- ▶ Walking Robots ☐
- ▶ Autonomous Robots ☐
- ▶ Artificial Intelligence ☐

- ▶ Advantages and Disadvantages of Robot ☐
- ▶ Applications of Robotics ☐
- ▶ Industrial Sector ☐
- ▶ Aerospace ☐
- ▶ Healthcare Delivery ☐
- ▶ Outer Space ☐
- ▶ Exploration ☐
- ▶ Military Robots ☐
- ▶ Disaster Areas ☐
- ▶ Entertainment ☐
- ▶ Agriculture ☐
- ▶ Domestic work ☐

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 *Remarks*

# Ecology & Environment

## ECOLOGY & BIODIVERSITY

### 1. Ecology

- ▶ Types of Ecology ☐
- ▶ Ecological Hierarchy ☐
- ▶ Scope of Ecology ☐
- ▶ Habitat & Ecological Niche ☐
- ▶ Deep vs Shallow Ecology ☐
- ▶ Ecological Principles ☐
- ▶ Ecological Community ☐
  - Structure and Characteristics of a Community ☐
  - Stratification ☐
  - Ecotones ☐
  - Ecological Dominance ☐
  - Seasonal and Diurnal Fluctuation ☐
  - Periodicity ☐
  - Turnover ☐
  - Interdependence ☐
- ▶ Ecological Succession ☐
  - Types and Process of Succession ☐
  - Climax Community ☐
- ▶ Range of Tolerance , Maximum Range ☐
- ▶ Difference between Ecology , Environment and Ecosystem ☐

### 2. Ecosystem and its dynamics

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

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

### 3. Biogeochemical Cycles

- ▶ Parts of a Bio Geochemical Cycle ☐
- ▶ Types of Biogeochemical Cycle ☐
  - Carbon Cycle ☐
  - Nitrogen Cycle ☐
  - Phosphorus Cycle ☐
  - Sulphur Cycle ☐

### 4. Biomes: Forest, Grassland, Mountain, and Desert Ecosystems

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

### 5. Aquatic Life Zones: Ocean, Rivers, Lakes, and Wetlands

- ▶ Aquatic ecosystems ☐
- ▶ Basic facts about the ocean ☐
- ▶ Importance of the ocean ☐
- ▶ Zones of the ocean ☐

- Marine life ☐
- Coral reefs ☐
- Coral reefs in India ☐
- Conserving coral reefs ☐
- Mangroves ☐
- Mangroves in India ☐
- Freshwater in India ☐
- Importance of lakes ☐
- National Lake Conservation Plan ☐
- Wetlands and their importance ☐
- Ramsar Convention ☐
- Ramsar Sites ☐
- Montreux Record ☐
- Extent and distribution of wetlands in India ☐
- Conserving the wetlands of India ☐

## 6. Biodiversity Basics

- Biodiversity ☐
- Important kinds of biodiversity ☐
- Degree of diversity in an ecosystem ☐
  - Endemic species ☐
- Keystone species ☐
- Indicator species ☐
- Invasive species ☐
- Allopatric and sympatric speciation ☐
- Bioinformatics ☐
  - Biodiversity distribution ☐
- Megadivers Countries ☐
- Uses and values of biodiversity ☐
- State of global biodiversity ☐
- Threats to biodiversity ☐
- Biodiversity Hotspots ☐
- Eco-regions ☐
- Role of traditional knowledge in biodiversity ☐
- Biopiracy ☐
- Extinction of species ☐
- Mass extinction ☐
- IUCN's classification scheme ☐
- IUCN Red-List of Threatened Species ☐
- Level of biodiversity in India ☐
- Biogeographic classification of India ☐

## 7. Biodiversity Conservation

- Ex-situ aid in-situ conservation ☐
- Seed banks ☐
- Zoos in biodiversity conservation ☐

- Botanical gardens ☐
- Protected areas ☐
- State of protected areas in the world ☐
- UNESCO Man and the Biosphere Program (MAB) ☐
- Characteristics of biosphere reserves ☐
  - International agreements for biodiversity conservation ☐
- Convention on Biological Diversity ☐
- Cartagena Protocol ☐
- Nagoya Protocol ☐
- Aichi Biodiversity Targets ☐
  - Important Coastal and Marine Biodiversity Areas of India ☐
- Important Bird Areas (IBAs) of India ☐
- Global Tiger Initiative ☐
- Project Tiger ☐
- Project Elephant ☐
- Indian Rhino Vision ☐
- Recovery Programme for Critically Endangered Species ☐
  - Use of indigenous knowledge for conserving biodiversity ☐
  - Seed village ☐

## 8. Effect of Human Activities on Environment

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

## 9. Water Resource degradation

- Water Cycle (Hydrological Cycle) ☐
- Availability and Quality Aspects (groundwater depletion) ☐
- Water-borne and Water-induced Diseases ☐
- Fluoride Problem in Drinking Water ☐
- Arsenic Problem in Drinking Water ☐

## 10. Minerals & Environmental Degradation

- Mining and Environment ☐
- Sensitivity of Select Ecosystems to Mining ☐

- Impact of Mining ☐
- Indirect Impact of Mining ☐
- International Laws on Mining ☐
- Main Act or Statute to regulate the impact of Indian Mining Sector ☐
- Sustainable Mining ☐

### 11. Deforestation

- Causes of Deforestation ☐
- Implications of Deforestation for Climate Change ☐
- Consequences of Deforestation on the Wildlife of India ☐
- Impact of Deforestation on Indian Monsoon ☐
- Impact of Deforestation on People ☐
- Deforestation Leads to Water and Soil Resources Loss and Flooding ☐
- Economical Impacts ☐
- Strategies for Reducing Deforestation ☐
- Government Programmes for Conservation of Forests ☐
- Legislations for Conservation of Forests using People Participation ☐
- Steps for Improving People Participation in Forest Resource Management ☐
- Use of Local Traditional Methods ☐

### 12. Waste Management

- Solid Waste ☐
- Hazardous Waste ☐
- E-Waste ☐
- Bio Medical Waste ☐
- Plastic Waste ☐
- Methods for Waste Management ☐
- Effects of Poor Waste Disposal ☐
- Landfill ☐

### 13. Sustainable Development

- Principles of sustainability ☐
- Measurement of Sustainability or Sustainable Ethics or Equitable Utilisation of Natural Resource ☐
- Sustainable Lifestyle (Role of an individual in sustainable, development) ☐
- Challenges to Sustainable Development ☐
- International Efforts to Achieve Sustainability ☐

### 14. Environmental Pollution

- Air Pollution ☐

- Sources of Air Pollution ☐
- Effects of Air Pollution ☐
- Classification of Air Pollutant ☐
- Control Measures of Air Pollution ☐
- Air Pollution Disasters ☐
- Long Range Transport of Gaseous Air Pollutants ☐
- National Ambient Air Quality Standards ☐
- Water Pollution ☐
- Sources of Water Pollution ☐
- Types of Water Pollutants ☐
- Effects of Water Pollution ☐
- Water Quality Standards ☐
- Control of Water Pollution ☐
- Thermal Pollution ☐
- Sources of Thermal Pollution ☐
- Effects of Thermal Pollution ☐
- Control of Thermal Pollution ☐
- Soil Pollution or Land Degradation ☐
- Sources of Soil Pollution ☐
- Effects of Soil Pollution ☐
- Control Measures ☐
- Noise Pollution ☐
- Air-borne Diseases ☐
- Toxic Substances: Toxicant, Toxicity and Toxicology ☐
- Factors affecting toxicity ☐
- Carcinogens ☐

### 15. Solid Waste Management

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

### 16. Coastal Ecosystem Management

- Mangroves ☐
- Salient features of Mangroves ☐
- Importance of Mangroves ☐
- Mangroves in India ☐
- Mangroves under threats ☐
- Legal and Regulatory Approaches for Protection ☐
- Estuaries ☐
- Importance of estuaries ☐
- Threats to estuaries ☐

- ▶ Coral Reefs ☐
- ▶ Geographical Conditions Required ☐
- ▶ Uses of coral reefs ☐
- ▶ Conservation of coral reef ☐
- ▶ Steps for Coastal Ecosystem Management ☐

### 17. Recent developments

- ▶ Air Pollution ☐
- ▶ Report on Air Pollution ☐
- ▶ Bharat Stage Emission Standards ☐
- ▶ Polluters Pay Model ☐
- ▶ Household Air Pollution ☐
- ▶ Open Waste Burning and its Impact ☐
- ▶ Graded Response Action Plan on Pollution ☐
- ▶ UN Sets Limits on Global Airline Emissions ☐
- ▶ Waste Management ☐
- ▶ Biodegradable Plastics ☐
- ▶ Green Train Corridors ☐
- ▶ Oil Spill ☐
- ▶ Solid Waste Management-Buffer Zone ☐
- ▶ Other News ☐
- ▶ Report of Parliamentary Committee on Forest Fires ☐
- ▶ Urban Forestry Scheme ☐
- ▶ Draft Notification to Regulate Pet Shops ☐
- ▶ Ban on Import of Animal Skin ☐
- ▶ River linking Project and Impact on Environment ☐
- ▶ Algal Bloom Issue ☐
- ▶ Illegal Salt Mining and its Impact ☐
- ▶ India's Wetland Report, 2016 ☐
- ▶ Deep Sea Mining ☐
- ▶ Mass Coral Bleaching ☐
- ▶ Ganga River Pollution ☐

### 18. Environmental Impact Assessment

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

### 19. Environmental Laws

- ▶ Environmental Laws: Provisions in the Indian Constitution towards Environmental Protection ☐
- ▶ Salient Features of Air (Prevention and Control of Pollution) Act, 1981\* ☐
- ▶ Salient Features of Water (Prevention and Control of Pollution) Act, 1974 ☐

- ▶ Salient features of Forest Conservation Act, 1980 ☐
- ▶ Salient Features of Wildlife Protection Act, 1972 ☐
- ▶ Salient Features of Environment (Protection) Act, 1986 ☐
- ▶ Role of Government in Environmental Protection ☐

### 20. Environment related Institutions and Organizations

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

### 21. 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 ☐

### 22. International Environmental Governance

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

### 23. 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 ☐

## 24. 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 ☐

## 25. 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 ☐

## 26. Global Warming & Health

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

## 27. Recent developments

- ▶ Carbon Neutrality Concept ☐
- ▶ Climate Change Indicators: WMO report ☐
- ▶ IPCC 5th Assessment Report ☐
- ▶ Paris Agreement ☐
- ▶ Marrakech Climate Change Conference ☐
- ▶ International Solar Alliance (ISA) ☐
- ▶ Kyoto Protocol (2nd Commitment 2013-20) ☐
- ▶ Kigali Agreement ☐
- ▶ Climate Change Performance Index ☐

# RECENT DEVELOPMENTS

## 1. Wildlife

- ▶ Man-Animal Conflicts in India ☐
- ▶ Poaching activities in India ☐
- ▶ Controlling wildlife crimes using sniffer dogs ☐
- ▶ Draft on animal cruelty ☐
- ▶ Formation of Tiger Reserves: Critical Analysis ☐
- ▶ International treaties for wildlife conservation ☐
- ▶ Use of drones for wildlife conservation ☐

## 2. Combating Pollution

- ▶ Indoor Air Pollution and its impact ☐
- ▶ Impact of Particulate Matter ☐
- ▶ Smog and its impact ☐
- ▶ Plastic Pollution ☐
- ▶ Light Pollution ☐
- ▶ Oil Spill ☐
- ▶ Solid Waste Management ☐
- ▶ E-waste Management Rules 2016 ☐
- ▶ Groundwater contamination ☐
- ▶ Bharat Stage Norm ☐
- ▶ What is Polluters Pay Model? ☐

## 3. Climate Change

- ▶ Paris Agreement ☐
- ▶ Marrakech Climate Change Conference ☐
- ▶ Kigali Agreement ☐
- ▶ Kyoto Protocol (2nd Commitment) ☐
- ▶ International Solar Alliance ☐
- ▶ Programmes and Policies Initiated for Mitigating Climate Change ☐
- ▶ International Collaboration for Mitigating Climate Change ☐
- ▶ Carbon Neutrality Concept ☐
- ▶ Concept of Green Bond ☐
- ▶ Green Climate Fund ☐
- ▶ Carbon Tax Feasibility in India ☐
- ▶ Concept of Green Building ☐
- ▶ Climate Change and Cities ☐
- ▶ Ethical issue involved in climate change ☐
- ▶ Climate change and its impact on Health ☐

## 4. Renewable Energy

- ▶ National Solar Mission ☐
- ▶ Status of Hydro Power energy in India ☐

- ▶ Status of Wind Energy in India ☐
- ▶ Green Transportation ☐

### 5. Initiatives for Environmental Conservation

- ▶ Ganga River Pollution ☐
- ▶ Compensatory Afforestation Fund Act ☐
- ▶ Draft National Wildlife Action Plan ☐
- ▶ Draft Wetland Management Rules ☐
- ▶ Initiatives to enhance green cover ☐
- ▶ Policy on Promotion of City Compost ☐
- ▶ Living status to Rivers ☐
- ▶ National Hydrology Project ☐

### 6. Environmental Institutions

- ▶ Pollution Control Board: Analysis ☐
- ▶ National Green Tribunal: Analysis ☐
- ▶ Forest Survey of India ☐
- ▶ Genetic Engineering Appraisal Committee ☐
- ▶ Traditional Knowledge Digital Library ☐
- ▶ T S R Subramanian Panel Report ☐

### 7. Miscellaneous Issues

- ▶ Algal bloom Issue ☐
- ▶ Melting of Antarctica and its impact ☐
- ▶ River linking project and its impact ☐
- ▶ Public participation for environmental conservation ☐



*Remarks*

# Internal Security

## 1. Internal Security Challenges

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

## 2. Terrorism Threat to India

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

## 3. Organized Crime

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

## 4. Linkage between Development and Spread of Extremism

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

## 5. Insurgency in North-East

- ▶ Issues & Conflicts ☐
- ▶ Assam Insurgency ☐

## 6. Security Challenges in Border Areas

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

## 7. Basics of Cyber Security

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

## 8. Cyber Warfare

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

## 9. Social Media and Internal Security Threat

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

## 10. Money Laundering

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

## 11. Black Money in India

- ▶ Parallel Economy in India ☐
- ▶ What are the various measures taken by Government to curb Black Money? ☐
- ▶ Impact of demonetisation on black money ☐
- ▶ Criticisms ☐

## 12. Police Reforms in India

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

## 13. Various Security Forces and their Mandate

- ▶ Assam Rifles ☐
- ▶ Border Security Force (BSF) ☐
- ▶ Indo-Tibetan Border Police ☐
- ▶ Central Industrial Security Force (CISF) ☐
- ▶ Central Reserve Police Force ☐
- ▶ National Security Guard ☐
- ▶ Issues with Paramilitary Forces ☐

 *Remarks*

# Ethics, Integrity & Aptitude

## 1. Ethics Basic Introduction

- ▶ Dimensions of Ethics ☐
- ▶ Essence of Ethics ☐
- ▶ Approaches of Ethical Study as Indian Perspective and Western Perspective ☐
- ▶ Basic concept of ethics morality and value ☐
- ▶ Ethics in public life ☐
- ▶ Ethics in Economic Life ☐
- ▶ Freedom and Discipline ☐
- ▶ Duties and Rights ☐
- ▶ Virtue Ethics ☐
- ▶ Consequences of Ethics in Human Actions ☐
- ▶ Values and Ethics in Government: Legislature, Executive and judiciary ☐
- ▶ Contribution of Family in Value Education ☐
- ▶ Contribution of Society in Inculcating Values ☐
- ▶ Role of Educational Institutions in Inculcating Values ☐

## 2. Human Values

- ▶ Human value & Socialization ☐
- ▶ Individual Personality and Value ☐
- ▶ Values and Skill ☐
- ▶ Fundamental and Instrumental Values ☐
- ▶ Democratic values ☐
- ▶ Role of ethical value in governance and society ☐
- ▶ Significance of value in civil services ☐
- ▶ Aesthetic values ☐
- ▶ Values in work life and professional ethics ☐

## 3. Aptitude and foundational values of civil services

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

## 4. India & World Thinkers

- ▶ **Indian Thinkers** ☐
  - Mahatama Gandhi ☐
  - Dr. S. Radhakrishnan ☐
  - Rabindranath Tagore ☐
  - Swami Dayanand Saraswati ☐
  - Mahadeva Govinda Ranade ☐
  - Sri Aurobindo ☐
  - Swami Vivekananda ☐
  - Sardar Patel ☐
  - Buddha Bhim Rao Ambedkar ☐
  - Raja Ram Mohan Roy ☐
  - Chhatrapati Shahu Maharaj ☐
  - Mother Teresa ☐
  - Amitabha Chowdhury ☐
  - Aruna Roy ☐
  - T. N. Seshan ☐
  - E. Sreedharan ☐
- ▶ **Administrative Thinkers** ☐

- Max Weber ☐
- Elton Mayo ☐
- Peter Drucker ☐
- Chestar Barnard ☐
- Mary Parker Follet ☐
- **World Thinkers** ☐
- 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 ☐
- **Indian & World Leaders** ☐
- 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 ☐

## 5. 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 ☐

## 6. Emotional Intelligence

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

## 7. Values & Ethics in Public Administration

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

## 8. Probity in Governance

- ▶ Concept of Public Service ☐
- ▶ Philosophical basis of Governance and Probity ☐
- ▶ Information Sharing, Transparency ☐

and Right to Information

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

# APPLIED ETHICS

## 1. Euthanasia Issue

- ▶ Social and ethical angle ☐
- ▶ Different arguments related to Euthanasia ☐
- ▶ Conclusion ☐

## 2. Surrogacy

- ▶ Case study ☐
- ▶ Issues ☐
- ▶ Ethical Issues ☐
- ▶ Concept of ethical surrogacy ☐
- ▶ Conclusion ☐

## 3. Ethics & Sports

- ▶ Importance of sports ☐

- ▶ Ethical Issue: Need for sportsmanship ☐
- ▶ Ethical Issue: Doping ☐
- ▶ Ethical Issue: Discrimination and Sexual Harassment ☐
- ▶ Ethical Issue: Sports as a Business ☐
- ▶ Steps needed ☐

## 4. Media Ethics

- ▶ Role of Media ☐
- ▶ Ethical Issues faced by Reporters ☐
- ▶ Trial by Media ☐
- ▶ Media Prejudice ☐
- ▶ Ethical Dilemma faced by Photo Journalists ☐
- ▶ Digital Media Ethics ☐
- ▶ Paid News ☐

## 5. Business Ethics

- ▶ Principles of Business Ethics ☐
- ▶ Dimensions related to Business Ethics in Organisation ☐
- ▶ Business Ethics and Corporate Governance ☐
- ▶ Journey from Philanthropy to Corporate Social Responsibility ☐
- ▶ Issues related to Corporate Social Responsibility ☐
- ▶ Issues in implementation of Business Ethics ☐

## 6. Ethics Related to Economic Sanctions

- ▶ Why Economic Sanctions placed? ☐
- ▶ Ethics in Economic Sanctions ☐
- ▶ Conclusion ☐

## 7. Refugees & Ethics

- ▶ Why Migration occurs? ☐
- ▶ Case study of Syria ☐
- ▶ Dilemmas related to Refugee crisis ☐
- ▶ Steps needed ☐

## 8. Ethical Dilemmas of Globalization

- ▶ What is Globalisation ☐
- ▶ Free trade in Globalised world ☐
- ▶ Issues with Newly developed trade patterns ☐
- ▶ Criticism against global regime ☐
- ▶ Way forward ☐

## 9. Ethics of War

- ▶ Ethics and War theories ☐
- ▶ Evils of war ☐

## 10. Environmental Ethics

- ▶ Linkage between Ethics and Environment ☐
- ▶ Theories related to Environmental ethics ☐
- ▶ Role of individual ☐

## 11. Ethical Issues in Biotechnology

- ▶ Issues related to Stem Cell ☐
- ▶ Issues related to cloning ☐
- ▶ Issues related to designer babies ☐

## 12. Animal Ethics

- ▶ Introduction ☐
- ▶ Issues of conducting research on animals ☐
- ▶ Issue of keeping animals as pets ☐
- ▶ Issue of Cruelty against animals ☐
- ▶ Conclusion ☐

## 13. Food Adulteration and Ethics

- ▶ Ethical dimension ☐
- ▶ Ethical issue related to food additive ☐

## 14. Abortion: Ethical or Unethical

- ▶ Law of abortion in India ☐
- ▶ Recent Supreme Court verdict ☐
- ▶ Ethical Issue: Health of Women vs. fetus ☐
- ▶ Justification for abortion ☐
- ▶ Argument against abortion ☐
- ▶ Abortion and women rights ☐
- ▶ Abortion and father rights ☐

## 15. Honour Killing

- ▶ Honour killing is unethical ☐
- ▶ Role of khap pachayat ☐

## 16. Marital Rape

- ▶ Why Marital Rape should not be criminalized? ☐
- ▶ Why Marital Rape should be criminalized? ☐
- ▶ What are the hurdles? ☐

## 17. Ethical Issue Involved in Child Labour

- ▶ Rights of children ☐
- ▶ Child labour and company ☐
- ▶ Solution ☐
- ▶ Role of consumer ☐

## 18. Ethical Issue Involved in Treating Juvenile as Adult

- ▶ Juvenile justice system ☐
- ▶ Negative implications ☐

## 19. Ethics and Old Age

- ▶ Ethical issues ☐
- ▶ Issues faced ☐
- ▶ Importance of autonomy ☐

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## 20. Ethics in Public and Private Relationships

- ▶ Ethical values in Private relationships ☐
- ▶ Ethical principles in Public relationships ☐
- ▶ Linkage between Private relationships and Public relationships ☐



*Remarks*