

# Integrated Prelims cum Mains Test Series ---- 2019-2020 – EBS Approach

## **The Mains Tests are conducted in 3 levels**

- 1) Essential Test**– Intends to test basic understanding along with factual and fundamental concepts of the subject.
- 2) Breakthrough Test**– These tests check the ability of linking basic concepts with current issues and interlinking of various topics of syllabus. The focus here is to increase hit ratio.
- 3) Simulation Test**– These tests are conducted on UPSC pattern to give real UPSC environment feeling to students

**Note: Every test includes the current affairs between the date of previous test to present test.**

## TEST CATEGORISATION

### Prelims tests – 51

- **General studies – 41**
  - **Subject wise test -- 28**
  - **Revision test -- 6**
  - **Full length test -- 7**
- **CSAT – 10**
  - **Sectional tests -- 6**
  - **Full length tests – 4**

### Mains tests – 46

- **Essay – 10**
- **Sectional tests– 20**
- **Full length – 16**

| <b>Test No</b>                       | <b>Date</b>                    | <b>Subject</b>   | <b>Syllabus</b>  | <b>Sources</b>   |
|--------------------------------------|--------------------------------|--|--|--|
| <b>Mains Test 1 (Essential Test)</b> | <b>5 August 2019 Monday</b>    | <b>GS – 1<br/>Modern Indian History<br/>+<br/>Post Independent India<br/>+<br/>World History</b> | <p><b>Modern Indian history</b> from about the middle of the eighteenth century until the present- significant events, personalities, issues</p> <p>The Freedom Struggle - its various stages and important contributors /contributions from different parts of the country.</p> <p><b>Post Independent India</b><br/>Post-independence consolidation and reorganization within the country.</p> <p><b>World History</b><br/>History of the world will include events from 18th century such as industrial revolution, world wars, redrawing of national boundaries, colonization, decolonization, political philosophies like communism, capitalism, socialism etc.- their forms and effect on the society.</p> | <p><b>Modern Indian History</b></p> <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• India's struggle for independence – Bipin Chandra</li> </ul> <p><b>Post Independent India</b></p> <ul style="list-style-type: none"> <li>• NCERT</li> <li>• India since independence – Bipin Chandra</li> <li>• (or India after Gandhi – Ramachandra Guha)</li> </ul> <p><b>World History</b></p> <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• Mastering Modern World History – Norman Lowe.</li> </ul> |
| <b>Mains Test 2 (Essential)</b>      | <b>15 August 2019 Thursday</b> | <b>GS – 1<br/>Art &amp; Culture<br/>+<br/>Indian Society</b>                                     | <p><b>Indian culture</b> will cover the salient aspects of Art Forms, Literature and Architecture from ancient to modern times</p> <p><b>Indian Society</b></p> <ul style="list-style-type: none"> <li>• Salient features of Indian</li> </ul>   | <p><b>Art &amp; Culture</b></p> <ul style="list-style-type: none"> <li>• An Introduction to Indian Art - Class XI NCERT</li> <li>• Living Craft Traditions of</li> </ul>   |

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| <b>Test)</b>                         |                              |                                | <p>Society, Diversity of India.</p> <ul style="list-style-type: none"> <li>• Role of women and women's organization, population and associated issues, poverty and developmental issues, urbanization, their problems and their remedies.</li> <li>• Effects of globalization on Indian society</li> <li>• Social empowerment, communalism, regionalism &amp; secularism.</li> </ul>   | <p>India - Chapters 9 and 10 -- Class XI NCERT</p> <ul style="list-style-type: none"> <li>• Indian Culture -- Nitin Singhania</li> <li>• CCRT website</li> </ul> <p><b><u>Indian Society</u></b></p> <ul style="list-style-type: none"> <li>• NCERT</li> <li>• IGNOU Material – Development</li> <li>• IGNOU Material – Sociology</li> <li>• Social Problems in India – Ram Ahuja.</li> <li>• Indian Social System – Ram Ahuja</li> <li>• Current Affairs</li> </ul> |
| <b>Mains Test 3 (Essential Test)</b> | <b>25 August 2019 Sunday</b> | <b><u>GS – 1</u> Geography</b> | <p>Salient features of world's physical geography.</p> <p>Distribution of key natural resources across the world (including South Asia and the Indian sub-continent); factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world (including India)</p> <p>Important Geophysical phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location- changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.</p> | <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• Certificate Physical and Human Geography -- Goh Cheng Leong</li> <li>• Geography of India- Majid Hussain</li> <li>• Current Affairs</li> </ul>  |

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| <b>Mains Test 4</b>                  | <b>3<sup>rd</sup> September 2019 Tuesday</b> | <b>GS – 1 Full Length</b>   |  |   |
| <b>Mains Test 5</b>                  | <b>4 September 2019 Wednesday</b>            | <b>Essay (Test 1)</b>       | <ul style="list-style-type: none"> <li>• <i>Indian Art &amp; Culture</i></li> <li>• <i>Indian History</i></li> <li>• <i>Topics from World History</i></li> <li>• <u><i>Social Issues</i></u> <ul style="list-style-type: none"> <li>➤ Indian Society</li> <li>➤ Feminism</li> <li>➤ Gender Justice</li> <li>➤ Unity &amp; Diversity</li> </ul> </li> <li>• <i>Ethics and Philosophy</i></li> </ul>   |   |
| <b>Mains Test 6 (Essential Test)</b> | <b>14 September 2019 Saturday</b>            | <b><u>GS – 2</u> Polity</b> | <p>Indian Constitution- historical underpinnings, evolution, features, amendments, significant provisions and basic structure.</p> <p>Comparison of the Indian constitutional scheme with that of other countries</p> <p>Functions and responsibilities of the Union and the States, issues and challenges pertaining to the federal structure, devolution of powers and finances up to local levels and challenges therein.</p> <p>Separation of powers between various organs dispute redressal mechanisms and institutions.</p> | <ul style="list-style-type: none"> <li>• NCERT</li> <li>• Indian Polity by Laxmikant – 5th edition</li> <li>• Public Institutions in India- Performance and Design – Pratapa Bhanu Mehta</li> <li>• Subhash Kashyap - Our Constitution, Our Parliament</li> <li>• Introduction to the Constitution of India - D D Basu</li> <li>• 2nd ARC (6th</li> </ul> |

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|   |   |  | <p>Parliament and State Legislatures - structure, functioning, conduct of business, powers &amp; privileges and issues arising out of these.</p> <p>Structure, organization and functioning of the Executive and the Judiciary Ministries and Departments of the Government; pressure groups and formal/informal associations and their role in the Polity.</p>   | <p>Report - Local Governance 13th Report - Organisation Structure of Government of India)</p> <ul style="list-style-type: none"> <li>• PRS</li> <li>• PIB</li> <li>• Three Year Action Agenda, 2017-18 to 2019-20 - NITI Aayog</li> </ul>  |
| <p><b>Mains Test 7 (Essential Test)</b></p> | <p><b>24 September 2019 Tuesday</b></p> | <p><b>GS – 2 Governance + Social justice</b></p> | <p><b><u>Governance</u></b></p> <ul style="list-style-type: none"> <li>• Salient features of the Representation of People's Act.</li> <li>• Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies.</li> <li>• Statutory, regulatory and various quasi-judicial bodies</li> <li>• Important aspects of governance, transparency and accountability, e-governance- applications, models, successes, limitations, and potential; citizens charters, transparency &amp; accountability and institutional and other measures.</li> <li>• Role of civil services in a democracy.</li> </ul> <p><b><u>Social Justice</u></b></p> <ul style="list-style-type: none"> <li>• Government policies and interventions for development in various sectors and issues arising out of their design and implementation</li> <li>• Welfare schemes for vulnerable</li> </ul> | <ul style="list-style-type: none"> <li>• NCERT</li> <li>• Indian Polity by Laxmikant – 5th edition</li> <li>• Governance in India – Laxmikant</li> <li>• Institutions in India Public Institutions in India: Performance and Design – Pratapa Bhanu Mehta</li> <li>• Subhash Kashyap - Our Constitution, Our</li> <li>• Parliament</li> <li>• Introduction to the Constitution of India - D D Basu</li> <li>• 2nd ARC (6th Report - Local Governance 13th Report - Organisation Structure of Government of India)</li> <li>• Yojana</li> </ul> |

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|   |                                       |  | <p>sections of the population by the Centre and States and the performance of these schemes; mechanisms, laws, institutions and bodies constituted for the protection and betterment of these vulnerable sections</p> <ul style="list-style-type: none"> <li>• Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources.</li> <li>• Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources, issues relating to poverty and hunger.</li> </ul> | <ul style="list-style-type: none"> <li>• Kurukshetra</li> <li>• PRS</li> <li>• PIB</li> <li>• Three Year Action Agenda, 2017-18 to 2019-20 – NITIAayog</li> </ul>   |
| <p><b>Mains Test 8 (Essential Test)</b></p> | <p><b>3 October 2019 Thursday</b></p> | <p><b>GS – 2 International relations</b></p> | <p><b>PRELIMS TEST 8</b></p>  | <ul style="list-style-type: none"> <li>• Class 12 Political Science- Contemporary World Politics</li> <li>• India's Foreign Policy – Muchkund Dubey</li> <li>• Challenge And Strategy : Rethinking India's Foreign Policy – Rajiv Sikri</li> <li>• Ministry of External Affairs website</li> <li>• Current Affairs</li> </ul> |
| <p><b>Mains Test 9</b></p>                  | <p><b>5 October 2019 Saturday</b></p> | <p><b>GS – 2 Full Length</b></p>             |   |   |

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| <p><b>Mains Test 10</b></p>                  | <p><b>6 October 2019 Sunday</b></p>     | <p><b>Essay (Test 2)</b></p> | <p><b>1. Ethics &amp; Philosophy</b></p> <p><b>2. Polity &amp; Governance</b></p> <ul style="list-style-type: none"> <li>• Federalism</li> <li>• Institutions of India</li> <li>• Local self- government</li> <li>• Criminal Justice System</li> <li>• Judiciary</li> <li>• Democracy</li> <li>• Rights</li> <li>• Freedom of Speech</li> <li>• Administrative Reforms</li> </ul> <p><b>3. Social Justice</b></p> <ul style="list-style-type: none"> <li>• Social Justice – Economic -justice – political Justice</li> <li>• Health</li> <li>• Education</li> <li>• Poverty &amp; Hunger</li> <li>• Vulnerable Sections like women, old person and children.</li> </ul> <p><b>4. IR</b></p> <ul style="list-style-type: none"> <li>• Foreign policy of India</li> <li>• South –South Cooperation</li> <li>• Regional Groupings</li> </ul> |   |
| <p><b>Mains Test 11 (Essential Test)</b></p> | <p><b>23 October 2019 Wednesday</b></p> | <p><b>GS – 3 Economy</b></p> | <p>Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.</p> <p>Inclusive growth and issues arising from it.</p> <p>Government Budgeting.</p> <p>Effects of liberalization on the economy, changes in industrial policy and their effects on industrial</p>  | <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• Indian Economy by Ramesh Sing/Sanjiv verma/ Kapila/ Dutt &amp; Sundaram</li> <li>• Economic Survey</li> <li>• 2nd ARC (14th Report -</li> <li>• Strengthening Financial</li> <li>• Management</li> </ul> |

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|  |  |  | <p>growth.</p> <p>Infrastructure: Energy, Ports, Roads, Airports, Railways etc.</p> <p>Investment models</p>  | <p>Systems)</p> <ul style="list-style-type: none"> <li>• Yojana &amp; Kurukshetra</li> <li>• Three Year Action Agenda,</li> <li>• 2017-18 to 2019-20 – NITI Aayog</li> </ul>   |
| <p><b>Mains Test 12 (Essential Test)</b></p> | <p><b>2 November 2019 Saturday</b></p> | <p><b>GS – 3 Agriculture + Environment &amp; ecology</b></p> | <p><b><u>Agriculture</u></b></p> <ul style="list-style-type: none"> <li>• Major crops cropping patterns in various parts of the country, different types of irrigation and irrigation systems storage, transport and marketing of agricultural produce and issues and related constraints; e-technology in the aid of farmers</li> <li>• Issues related to direct and indirect farm subsidies and minimum support prices; Public Distribution System objectives, functioning, limitations, revamping; issues of buffer stocks and food security; Technology missions; economics of animal-rearing.</li> <li>• Food processing and related industries in India- scope and significance, location, upstream and downstream requirements, supply chain management.</li> <li>• Land reforms in India.</li> </ul> <p><b><u>Environment &amp; ecology</u></b><br/> Conservation, environmental pollution and degradation, environmental impact assessment</p> | <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• Indian Economy by Ramesh Sing/Sanjiv verma/ Kapila/ Dutt &amp; Sundaram</li> <li>• Economic Survey</li> <li>• 2nd ARC (14th Report - Strengthening Financial Management Systems)</li> <li>• Yojana &amp; Kurukshetra</li> <li>• Three Year Action Agenda,</li> <li>• 2017-18 to 2019-20 – NITI Aayog</li> </ul> <p><b><u>Environment &amp; ecology</u></b></p> <ul style="list-style-type: none"> <li>• NCERT</li> <li>• Shankar Environment</li> <li>• Down to earth magazine</li> </ul> |



**Mains  
Test  
13  
(Essential  
Test)**

**12 November  
2019  
Tuesday**

**GS – 3  
Science &  
Technology  
+  
Disaster  
management  
+  
Internal  
security**

**Science and Technology**

- Developments and their applications and effects in everyday life Achievements of Indians in science & technology; indigenization of technology and developing new technology.
- Indigenization of technology and developing new technology.
- Awareness in the fields of IT, Space, Computers, robotics, nano-technology, bio-technology and issues relating to intellectual property rights.

***Disaster and disaster management.***

**Internal security**

- Linkages between development and spread of extremism.
- Role of external state and non-state actors in creating challenges to internal security.
- Challenges to internal security through communication networks, role of media and social networking sites in internal security challenges, basics of cyber security; money-laundering and its prevention
- Security challenges and their management in border areas; linkages of organized crime with terrorism

- Various Security forces and agencies and their mandate

**Mains Test 14**  
**20 November 2019**  
**Wednesday**

## **GS – 3 Full Length**

**Mains Test 15**  
**21 November 2019**  
**Thursday**

### **Essay (Test 3)**

- **Economy**
  - Indian Economy
  - Industrial Policy
  - Human Resource and Employment
  - Liberalization
  - Economic Planning
  - Fiscal Policy
  - External Sector
  - Sectors of Economy
  - Infrastructure
  - Tourism
  - MSME
  - Economic Justice
- **Agriculture**
  - Food Processing
  - Agriculture
  - Subsidies
  - PDS
- **Alternative future**
  - Climate change & global warming
  - Renewable energy technologies
  - Sustainable habitats
  - Conservation & development
- Disaster Management
- **Internal security Issues**
  - Internal Security
  - Cyber security
  - Maritime Security Ideologies (Terrorism, Naxalism, Extremism)

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| <p><b>Mains Test 16 (Essential Test)</b></p> | <p><b>29 November 2019 Friday</b></p>  | <p><b><u>GS – 4</u><br/>Ethics, Integrity, and Aptitude</b></p> | <p><b><u>Ethics and Human Interface:</u></b> Essence, determinants and consequences of Ethics in human actions; dimensions of ethics; ethics in private and public relationships.</p> <p><b><u>Human Values</u></b> - lessons from the lives and teachings of great leaders, reformers and administrators; role of family, society and educational institutions in inculcating values.</p>   |  |
| <p><b>Mains Test 17 (Essential Test)</b></p> | <p><b>7 December 2019 Saturday</b></p> | <p><b><u>GS – 4</u><br/>Ethics, Integrity, and Aptitude</b></p> | <p><b><u>Attitude:</u></b> content, structure, function; its influence and relation with thought and behaviour; moral and political attitudes; social influence and persuasion.</p> <p><b><u>Aptitude and foundational values for Civil Service:</u></b> integrity, impartiality and non-partisanship, objectivity, dedication to public service, empathy, tolerance and compassion towards the weaker-sections.</p> <p>Contributions of moral thinkers and philosophers from India and world.</p> <p><b><u>Emotional intelligence-</u></b> concepts, and their utilities and application in administration and governance</p> |  |
| <p><b>Mains Test 18 (Esse</b></p>            | <p><b>15 December 2019 Sunday</b></p>  | <p><b><u>GS – 4</u><br/>Ethics, Integrity, and Aptitude</b></p> | <p><b><u>Public/Civil service values and Ethics in Public administration:</u></b> Status and problems; ethical concerns and dilemmas in government and</p>   |  |

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| <b>ntial Test)</b> |  |  | <p>private institutions; laws, rules, regulations and conscience as sources of ethical guidance; accountability and ethical governance; strengthening of ethical and moral values in governance; ethical issues in international relations and funding; corporate governance.</p> <p><b><u>Probity in Governance:</u></b> Concept of public service; Philosophical basis of governance and probity; Information sharing and transparency in government, Right to Information, Codes of Ethics, Codes of Conduct, Citizen's Charters, Work culture, Quality of service delivery, Utilization of public funds, challenges of corruption.</p> |  |
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| <b>Mains Test 19</b> | <b>22 December 2019 Sunday</b> | <b>GS – 4 Full Length</b> |  |  |
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| <b>Mains Test 20</b> | <b>23 December 2019 Monday</b> | <b>Essay (Test 4)</b> |  |  |
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# Breakthrough Tests

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| <b>Mains Test 21 (Breakthrough test)</b> | <b>1 January 2019 Wednesday</b> | <p><b><u>GS – 1</u></b><br/> <b>Modern Indian History</b><br/>         +<br/> <b>Art &amp; Culture</b><br/>         +<br/> <b>World</b></p> | <p><b><u>Art &amp; Culture</u></b><br/>         Indian culture will cover the salient aspects of Art Forms, Literature and Architecture from ancient to modern times.</p> <p><b><u>Modern Indian History</u></b></p> <ul style="list-style-type: none"> <li>• Modern Indian history from about the middle of the eighteenth century until the present- significant events,</li> </ul> | <p><b><u>Art &amp; Culture</u></b></p> <ul style="list-style-type: none"> <li>• An Introduction to Indian Art - Class XI NCERT</li> <li>• Living Craft Traditions of India - Chapters 9 and 10 -- Class XI NCERT</li> </ul> |
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|  |   | <p align="center"><b>History</b><br/>+<br/><b>Post Independent India</b></p>                    | <p>personalities, issues</p> <ul style="list-style-type: none"> <li>The Freedom Struggle - its various stages and important contributors /contributions from different parts of the country.</li> </ul> <p><b><u>Post Independent India</u></b><br/>Post-independence consolidation and reorganization within the country.</p> <p><b><u>World History</u></b><br/>History of the world will include events from 18th century such as industrial revolution, world wars, redrawing of national boundaries, colonization, decolonization, political philosophies like communism, capitalism, socialism etc.- their forms and effect on the society.</p> | <ul style="list-style-type: none"> <li>Indian Culture -- Nitin Singhania</li> <li>CCRT website</li> </ul> <p><b><u>Modern Indian History</u></b></p> <ul style="list-style-type: none"> <li>NCERTs</li> <li>India's struggle for independence – Bipin Chandra</li> </ul> <p><b><u>Post Independent India</u></b></p> <ul style="list-style-type: none"> <li>NCERT</li> <li>India since independence – Bipin Chandra</li> <li>(or India after Gandhi – Ramachandra Guha)</li> </ul> <p><b><u>World History</u></b></p> <ul style="list-style-type: none"> <li>NCERTs</li> <li>Mastering Modern World History – Norman Lowe.</li> </ul> |
| <p><b>Mains Test 22</b><br/>(Break through test)</p> | <p align="center"><b>11 January 2020 Saturday</b></p> | <p align="center"><b><u>GS – 1</u></b><br/><b>Indian Society</b><br/>+<br/><b>Geography</b></p> | <p><b><u>Indian Society</u></b></p> <ul style="list-style-type: none"> <li>Salient features of Indian Society, Diversity of India.</li> <li>Role of women and women's organization, population and associated issues, poverty and developmental issues, urbanization, their problems and their remedies.</li> </ul>   | <p><b><u>Indian Society</u></b></p> <ul style="list-style-type: none"> <li>NCERT</li> <li>IGNOU Material – Development</li> <li>IGNOU Material – Sociology</li> <li>Social Problems in India – Ram</li> </ul>   |

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|  |  |  | <ul style="list-style-type: none"> <li>• Effects of globalization on Indian society</li> <li>• Social empowerment, communalism, regionalism &amp; secularism.</li> </ul> <p><b><u>Geography</u></b></p> <ul style="list-style-type: none"> <li>• Salient features of world's physical geography.</li> <li>• Distribution of key natural resources across the world (including South Asia and the Indian sub-continent); factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world (including India)</li> <li>• Important Geophysical phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location- changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.</li> </ul> | <p>Ahuja.</p> <ul style="list-style-type: none"> <li>• Indian Social System – Ram Ahuja</li> <li>• Current Affairs</li> </ul> <p><b><u>Geography</u></b></p> <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• Certificate Physical and Human Geography -- Goh Cheng Leong</li> <li>• Geography of India- Majid Hussain</li> <li>• Current Affairs</li> </ul> |
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**Mains Test 23**  
**18 January 2020**  
**Saturday**

## ***GS – 1 Full Length***

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| <b>Mains Test 24</b> | <b>19 January 2020</b><br><b>Sunday</b> | <b>Essay (Test 5)</b> | <ul style="list-style-type: none"> <li>• <i>Indian Art &amp; Culture</i></li> <li>• <i>Indian History</i></li> <li>• <i>Topics from World History</i></li> <li>• <u><i>Social Issues</i></u> <ul style="list-style-type: none"> <li>➤ Indian Society</li> <li>➤ Feminism</li> </ul> </li> </ul> |
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|  |   |  | <ul style="list-style-type: none"> <li>➤ Gender Justice</li> <li>➤ Unity &amp; Diversity</li> </ul> <ul style="list-style-type: none"> <li>• <i>Ethics and Philosophy</i></li> </ul>  |   |
| <p><b>Mains Test 25</b><br/>(Break through test)</p> | <p><b>29 January 2020</b><br/>Wednesday</p> | <p><b>GS – 2</b><br/><b>Polity</b><br/>+<br/><b>Governance</b></p> | <p>Indian Constitution- historical underpinnings, evolution, features, amendments, significant provisions and basic structure.</p> <p>Comparison of the Indian constitutional scheme with that of other countries</p> <p>Functions and responsibilities of the Union and the States, issues and challenges pertaining to the federal structure, devolution of powers and finances up to local levels and challenges therein.</p> <p>Separation of powers between various organs dispute redressal mechanisms and institutions.</p> <p>Parliament and State Legislatures - structure, functioning, conduct of business, powers &amp; privileges and issues arising out of these.</p> <p>Structure, organization and functioning of the Executive and the Judiciary Ministries and Departments of the Government; pressure groups and formal/informal associations and their role in the Polity.</p> <p>Salient features of the Representation of People's Act.</p> <p>Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies.</p> <p>Statutory, regulatory and various</p> | <ul style="list-style-type: none"> <li>• NCERT</li> <li>• Indian Polity by Laxmikant – 5th edition</li> <li>• Public Institutions in India- Performance and Design – Pratapa B hanu Mehta</li> <li>• Subhash Kashyap - Our Constitution, Our Parliament</li> <li>• Introduction to the Constitution of India - D D Basu</li> <li>• 2nd ARC (6th Report - Local Governance 13th Report - Organisation Structure of Government of India)</li> <li>• PRS</li> <li>• PIB</li> <li>• Three Year Action Agenda, 2017-18 to 2019-20 – NITIAayog</li> </ul> |

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|--|---|--|--|--|
|  |   |  | <p>quasi-judicial bodies</p> <p>Important aspects of governance, transparency and accountability, e-governance- applications, models, successes, limitations, and potential; citizens charters, transparency &amp; accountability and institutional and other measures.</p> <p>Role of civil services in a democracy.</p>  |  |
| <p><b>Mains Test 26</b><br/>(Break through test)</p> | <p><b>8 February 2020</b><br/><b>Saturday</b></p> | <p><b><u>GS – 2</u></b><br/><b>Social justice</b><br/><b>+ International relations</b></p> | <p><b><u>Social Justice</u></b></p> <ul style="list-style-type: none"> <li>• Government policies and interventions for development in various sectors and issues arising out of their design and implementation</li> <li>• Welfare schemes for vulnerable sections of the population by the Centre and States and the performance of these schemes; mechanisms, laws, institutions and bodies constituted for the protection and betterment of these vulnerable sections</li> <li>• Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources.</li> <li>• Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources, issues relating to poverty and hunger.</li> </ul> <p><b><u>International relations</u></b></p> <ul style="list-style-type: none"> <li>• India and its neighbourhood-relations.</li> <li>• Bilateral, regional and global groupings and agreements involving India and/or affecting India's interests</li> </ul> | <ul style="list-style-type: none"> <li>• Yojana</li> <li>• Kurukshetra</li> <li>• PRS</li> <li>• PIB</li> <li>• Three Year Action Agenda, 2017-18 to 2019-20 – NITIAayog</li> </ul> <p><b><u>International relations</u></b></p> <ul style="list-style-type: none"> <li>• Class 12 Political Science- Contemporary World Politics</li> <li>• India's Foreign Policy – Muchkund Dubey</li> <li>• Challenge And Strategy : Rethinking India's Foreign Policy – Rajiv Sikri</li> <li>• Ministry of External Affairs website</li> <li>• Current Affairs</li> </ul> |



- Effect of policies and politics of developed and developing countries on India's interests, Indian diaspora.
- Important International institutions, agencies and fora, their structure, mandate.

**Test  
27**  
**15  
February  
2020  
Saturday**

## ***GS – 2 Full Length***

**Mains  
Test  
28**

**16  
February  
2020  
Sunday**

***Essay  
(Test 6)***

### ***1. Ethics & Philosophy***

### ***2. Polity & Governance***

- Federalism
- Institutions of India
- Local self- government
- Criminal Justice System
- Judiciary
- Democracy
- Rights
- Freedom of Speech
- Administrative Reforms

### ***3. Social Justice***

- Social Justice – Economic -justice – political Justice
- Health
- Education
- Poverty & Hunger
- Vulnerable Sections like women, old person and children.

### ***4. IR***

- Foreign policy of India
- South –South Cooperation
- Regional Groupings

|  |   |  |   |  |
|--|---|--|---|--|
| <p><b>Mains Test 29</b><br/>(Break through test)</p> | <p><b>25 February 2020</b><br/><b>Tuesday</b></p> | <p><b>GS – 3</b><br/><b>Economy</b><br/>+<br/><b>Agriculture</b></p> | <p><b><u>Economy</u></b></p> <ul style="list-style-type: none"> <li>• Indian Economy and issues relating to planning, mobilization of resources, growth, development and employment.</li> <li>• Inclusive growth and issues arising from it.</li> <li>• Government Budgeting.</li> <li>• Effects of liberalization on the economy, changes in industrial policy and their effects on industrial growth.</li> <li>• Infrastructure: Energy, Ports, Roads, Airports, Railways etc.</li> <li>• Investment models.</li> </ul> <p><b><u>Agriculture</u></b></p> <ul style="list-style-type: none"> <li>• Major crops cropping patterns in various parts of the country, different types of irrigation and irrigation systems storage, transport and marketing of agricultural produce and issues and related constraints; e-technology in the aid of farmers</li> <li>• Issues related to direct and indirect farm subsidies and minimum support prices; Public Distribution System objectives, functioning, limitations, revamping; issues of buffer stocks and food security; Technology missions; economics of animal-rearing.</li> <li>• Food processing and related industries in India- scope and significance, location,</li> </ul> | <ul style="list-style-type: none"> <li>• NCERTs</li> <li>• Indian Economy by Ramesh Sing/Sanjiv verma/ Kapila/ Dutt &amp; Sundaram</li> <li>• Economic Survey</li> <li>• 2nd ARC (14th Report - Strengthening Financial Management Systems)</li> <li>• Yojana &amp; Kurukshetra</li> <li>• Three Year Action Agenda,</li> <li>• 2017-18 to 2019-20 – NITI Aayog</li> </ul> |
|--|---|--|---|--|

|  |  |  |   |   |
|--|--|--|---|---|
|  |  |  | <p>upstream and downstream requirements, supply chain management.</p> <ul style="list-style-type: none"> <li>• Land reforms in India.</li> </ul>  |   |
| <p><b>Mains Test 30</b><br/>(Break through test)</p> | <p><b>6 March 2020</b><br/><b>Friday</b></p> | <p><b><u>GS – 3</u></b><br/><b>Environment &amp; ecology</b><br/>+<br/><b>Science &amp; Technology</b><br/>+<br/><b>Disaster management</b><br/>+<br/><b>Internal security</b></p> | <p><b><u>Environment &amp; ecology</u></b><br/>Conservation, environmental pollution and degradation, environmental impact assessment</p> <p><b><u>Science and Technology</u></b></p> <ul style="list-style-type: none"> <li>• Developments and their applications and effects in everyday life Achievements of Indians in science &amp; technology; indigenization of technology and developing new technology.</li> <li>• Indigenization of technology and developing new technology.</li> <li>• Awareness in the fields of IT, Space, Computers, robotics, nano-technology, bio-technology and issues relating to intellectual property rights.</li> </ul> <p><b><i>Disaster and disaster management.</i></b></p> <p><b><u>Internal security</u></b></p> <ul style="list-style-type: none"> <li>• Linkages between development and spread of extremism.</li> <li>• Role of external state and non-state actors in creating challenges to internal security.</li> <li>• Challenges to internal security through communication networks, role of media and social networking sites in internal security challenges, basics of cyber security; money-laundering and its prevention</li> </ul> | <p><b><u>Environment &amp; ecology</u></b></p> <ul style="list-style-type: none"> <li>• NCERT</li> <li>• Shankar Environment</li> <li>• Down to earth magazine</li> </ul> |

- Security challenges and their management in border areas; linkages of organized crime with terrorism
- Various Security forces and agencies and their mandate

**Mains  
Test  
31**

**13  
March  
2020  
Friday**

## **GS – 3 Full Length**

**Mains  
Test  
32**

**14  
March  
2020  
Saturday**

**Essay  
(Test 7)**

- **Economy**
  - Indian Economy
  - Industrial Policy
  - Human Resource and Employment
  - Liberalization
  - Economic Planning
  - Fiscal Policy
  - External Sector
  - Sectors of Economy
  - Infrastructure
  - Tourism
  - MSME
  - Economic Justice
- **Agriculture**
  - Food Processing
  - Agriculture
  - Subsidies
  - PDS
- **Alternative future**
  - Climate change & global warming
  - Renewable energy technologies
  - Sustainable habitats
  - Conservation & development
- Disaster Management
- **Internal security Issues**

|   |   |   |   |
|---|---|---|---|
|   |   |   | <ul style="list-style-type: none"> <li>➤ Internal Security</li> <li>➤ Cyber security</li> <li>➤ Maritime Security</li> <li>➤ Ideologies (Terrorism, Naxalism, Extremism)</li> </ul>   |
| <b>Mains Test 33</b><br><i>(Break through test)</i> | <b>19 March 2020</b><br><b>Thursday</b> | <b>GS – 4</b><br><b>Ethics, Integrity, and Aptitude</b> | <p><b><u>Ethics and Human Interface:</u></b> Essence, determinants and consequences of Ethics in human actions; dimensions of ethics; ethics in private and public relationships.</p> <p><b><u>Human Values</u></b> - lessons from the lives and teachings of great leaders, reformers and administrators; role of family, society and educational institutions in inculcating values.</p> <p><b><u>Attitude:</u></b> content, structure, function; its influence and relation with thought and behaviour; moral and political attitudes; social influence and persuasion.</p> <p><b><u>Aptitude and foundational values for Civil Service:</u></b> integrity, impartiality and non-partisanship, objectivity, dedication to public service, empathy, tolerance and compassion towards the weaker-sections.</p> <p>Contributions of moral thinkers and philosophers from India and world.</p> |
| <b>Mains Test 34</b><br><i>(Break through test)</i> | <b>26 March 2020</b><br><b>Thursday</b> | <b>GS – 4</b><br><b>Ethics, Integrity, and Aptitude</b> | <p><b><u>Emotional intelligence-</u></b> concepts, and their utilities and application in administration and governance</p> <p><b><u>Public/Civil service values and Ethics in Public administration:</u></b> Status and</p>  |

problems; ethical concerns and dilemmas in government and private institutions; laws, rules, regulations and conscience as sources of ethical guidance; accountability and ethical governance; strengthening of ethical and moral values in governance; ethical issues in international relations and funding; corporate governance.

**Probity in**

**Governance:** Concept of public service; Philosophical basis of governance and probity; Information sharing and transparency in government, Right to Information, Codes of Ethics, Codes of Conduct, Citizen's Charters, Work culture, Quality of service delivery, Utilization of public funds, challenges of corruption.

**Mains Test 35**  
**4 April 2020**  
**Saturday**

**GS – 4 Full Length**

**Mains Test 36**  
**5 April 2020**  
**Sunday**

**Essay**  
**(Test 8)**

**Mains Test 37**  
**14 April 2020**  
**Tuesday**

**Essay**  
**(Test 9)**

**Mains Test 38 & 39**  
**15 April 2020**  
**Wednesday**

**GS - 1**

**GS - 2**

|                               |                                |                        |               |
|-------------------------------|--------------------------------|------------------------|---------------|
| <b>Mains Test 40 &amp; 41</b> | <b>16 April 2020 Thursday</b>  | <b>GS - 3</b>          | <b>GS - 4</b> |
| <b>Mains Test 42</b>          | <b>21 April 2020 Tuesday</b>   | <b>Essay (Test 10)</b> |               |
| <b>Mains Test 43 &amp; 44</b> | <b>22 April 2020 Wednesday</b> | <b>GS - 1</b>          | <b>GS - 2</b> |
| <b>Mains Test 45 &amp; 46</b> | <b>23 April 2020 Thursday</b>  | <b>GS - 3</b>          | <b>GS - 4</b> |

# **Ancient & Medieval Indian History**

## **Ancient History**

- **Prehistoric period**
  - Paleolithic
  - Mesolithic
  - Neolithic
  - Chalcolithic
- Harappan / Indus Valley Civilization
- **Vedic Age**
  - Early Vedic period
  - Later Vedic period
- Mahajanapadas & Rise of Magadh
- Religious Reforms
- Iranian & Macedonian Invasion
- Mauryan Age
- **Post Mauryan Age**
  - Indo Greek Invasion
    - ✚ Indo-Greeks
    - ✚ Parthians
    - ✚ Shaka
    - ✚ Kushanas
    - ✚ Indo-Sassanian
  - Sungas
  - Kanvas
  - Satavahanas
- Guptas Age
- Sangam Age
- Regional Kingdoms
- **Post Guptas Age**
  - Harshavardhana
  - Pallava

### **New NCERTS**

- Our Past - Class VI NCERT
- Our Pasts – II - Class VII NCERT
- Themes in Indian History – I – Class XII NCERT
- Themes in Indian History – II -- Class XII NCERT

### **Tamil Nadu History Textbook - Class XI**

### **Old NCERTs**

- Ancient India - class XI - by RS Sharma
- Medieval India - class IX - by Satish Chandra



- Chalukya

## **Medieval History**

- Tripartite Struggle  
Pratiharas  
Palas
- Chola Empire
- Turkish conquest of India  
Ghaznavid  
Muhammad Ghuri
- Rajput states
- Delhi sultanate
  - Slave dynasty
  - The Khaljis
  - The Tughlaqs
  - The Sayyids
  - The Lodhis
- Mughal empire (Including later Mughals)
- Maratha Confederacy
- Southern Dynasties
  - Hoysalas
  - Yadavas
  - Kakatiyas
- Vijaynagara
- Bahmani Kingdom
- Regional kingdoms
- Religious Movements
  - Bhakti Movement
  - Sufi Movement

***(Brief History, Salient Features, Social, Economics, Religious and Cultural conditions of all the above)***

## **Indian Art & Culture**

### **1. Architecture**

- Cave Architecture
- Temple Architecture
- Indo-Islamic Architecture
- Modern Architecture

1. An Introduction to Indian Art - Class XI NCERT
2. Living Craft Traditions of India - Chapters 9 and 10 -- Class XI NCERT
3. Indian Culture -- Nitin Singhania
4. CCRT website

( Under Indus Valley Civilization, The Mauryan Architecture, The Sungas, Kushanas, Satavahanas & Guptas, Post Guptas, Delhi-Sultanate, Mughals etc)

2. **Sculpture** -- Indian Sculpture and Different schools of Art

3. **Indian Paintings**

- Pre historic painting & Cave paintings
- Mural Paintings
- Miniature Paintings - Pala School, Rajput Paintings, Mughal Paintings, Hill paintings etc.
- Folk Paintings
- Modern Indian Paintings Personalities Associated

4. **Religion**

- Hinduism
- Jainism
- Buddhism
- Islam
- Christianity
- Zoroastrianism
- Judaism

5. **Philosophy**

- Six Schools of Philosophy
- Ajivika
- Lokayata etc.

6. **Indian Music**

- Classical Music
  - Hindustani Music
  - Carnatic Music
- Folk Music Tradition
- Modern Music
- Personalities

7. **Indian Dance**

- Classical Dance forms in India – Odissi, Kathak, Kathakali, Mohiniattay, Sattriya, Manipuri, Bharatanatyam, Kuchipudi
- Folk Dances
- Modern Dance in India

## **8. Theatre**

- Sanskrit Theatre
- Folk Theatre
- Modern Theatre
- Personalities

## **9. Puppetry**

- History
- Different forms of Puppetry in
- People Associated with Theatres

## **10. Indian Cinema and Circus**

## **11. Bhakti & Sufi Movement**

## **12. Language & Literature**

- Indian Language
  - 🇮🇳 Classical Languages
  - 🇮🇳 Scheduled Languages
- Indian Literature
  - 🇮🇳 Religious Literature
  - 🇮🇳 Secular Literature

## **13. Fairs, Festivals and Craft -Religious Festivals, Secular Festivals (States & UT's), Art & Crafts**

## **14. Science & Technology**

- Ancient, Science & Technology
- Medieval Science & Technology
- Famous Personalities in
- Ancient and Medieval India

## **15. Promotion and Preservation of Indian Heritage**

- Indian World Heritage Sites – Tangible & non-tangible heritage, Tentative list
- Cultural Heritage Sites
- Natural Heritage Sites
- Important Institutions

# Modern Indian History

- Fall of Mughals
- **Advent of Europeans**
  - Coming of Europeans
  - Struggle among Europeans
  - Rise of East India Company
- **India under East India Company's Rule**
  - Administration
  - Political policies
    - ✚ Regulating Act of 1773
    - ✚ Pitt's India Act 1784
    - ✚ Charter acts of 1784, 1793, 1813, 1833, 1853
  - British Expansion policy: Doctrine of lapse, Subordinate alliance etc.
  - Economic policies and their impact
    - ✚ Agricultural policies
    - ✚ Famine policy
  - Foreign Policies
  - Social Policies
    - ✚ Education Policies
    - ✚ Religious policies
- **Indian Kingdoms in 18th century**: Marathas, Punjab, Mysore, Hyderabad etc.
- **Socio - Religious Reform Movements in the 19th and 20<sup>th</sup> CE India** – Arya Samaj, Brahmo Samaj, etc.
- The Great Revolt of 1857
- Changes in Indian Administration after 1858 - GOI ACT 1858, Councils Act, 1861, 1892.
- Growth of Political Ideas and Political Organisations (up to 1885)
- Foundation of the Indian National Congress
- **National movement (1885 - 1919)**
  - Moderate Phase (1885 – 1905)
  - Partition of Bengal and the Swadeshi Movement
  - The first phase of Revolutionary and Terrorist Movement
  - The Morley-Minto Reforms or the Indian Councils Act, 1909
  - The Lucknow Pact (1916)
  - The Home Rule Movement

## **Modern Indian History**

- Our Pasts - III (Part – I & Part -- II) - Class VIII NCERT
- Themes in Indian History - III – Class XII NCERT
- Modern India – Spectrum Publication
- India's struggle for independence – Bipin Chandra
- Plassey to Partition – Shekhar Bhandopadhyay
- Modern India – Sumit Sarkar

- **National movement (1919 - 1939)**
  - Montague-Chelmsford Reforms or the Government of India act, 1919
  - The Khilafat Movement (1920-22) and Non Cooperation Movement
  - The Left Movement
  - The second phase of Revolutionary and Terrorist Movement
  - Anti-Simon Commission Agitation (1928-29)
  - Nehru Report, 1928
  - The Lahore Session, 1929
  - The Civil Disobedience Movement
  - The Government of India Act, 1935
  - Provincial Elections and Formation of popular Ministries in Provinces, 1937
  
- **Freedom to Partition (1939 - 1947)**
  - The Second World War and the National Movement
  - The August Offer 1940
  - The Individual Satyagraha 1940-41
  - The Cripps Proposal, 1942
  - The Quit India Movement, 1942
  - Subhash Bose and Indian National Army
  - Rajagopalachari Formula & Desai Liaqat Plan
  - Wavell Plan and Simla Conference 1945
  - General Elections in India, 1945
  - Naval Mutiny: 1946
  - The Indian Independence Act, 1947
  
- **Other Dimensions**
  - Tribal Movements
  - Peasants Movement
  - Dalit Movements
  - Women movement
  - Role of Press and Publications
  - Role of Business groups
  
- **Miscellaneous:** Reforms / Acts / Committee, Congress Sessions, Governor – General Viceroys etc.

# **World Geography**

## **Continents - Major physical features, natural resources**

### **1. Origin and evolution of Universe Solar system**

- Geological History of the Earth

1. The Earth Our Habitat - Class VI NCERT
2. Fundamentals of Physical Geography – Class XI NCERT
3. Resource and Development - Class VIII NCERT
4. Fundamentals of Human Geography – Class XII NCERT
5. Certificate Physical and Human Geography -- Goh Cheng Leong
6. World Mapping – Atlas

- Geological Time scale Latitude and Longitude including important Parallels and Meridians
- Motions of the Earth 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

## **2. Geomorphology**

- Interior structure of the earth
- Rock
- Landform Development
- First order (continental drift theory, sea floor spreading, plate tectonics theory)
- Second order (Mountains, Plateaus, Plains & other landforms)
- Internal forces & their impact - Volcanoes, Earthquakes,
- Folding, Faulting, Isostasy
- External forces & their impact - Weathering, Erosion & landforms thus developed

## **3. Climatology**

- Structure, Composition of atmosphere
- Weather & Climate
- Heat & temperature
  - ✚ Insolation
  - ✚ Heat Budget
  - ✚ Distribution of temperature
  - ✚ Temperature Inversion
- Pressure and Pressure belts
- Winds
  - ✚ Planetary winds
  - ✚ Seasonal winds
  - ✚ Local winds
- Precipitation-Forms & Types, Distribution of rainfall
- Air Masses
- Cyclones and anti-cyclones
- World Climatic regions

## **4. Oceanography**

- Bottom relief Features
- Ocean waves, currents, tides & Tsunamis
- Temperature distribution
- Salinity distribution
- Marine resources

## 5. **Biogeography**

- Soils
  - ✚ Classification
  - ✚ Distribution
  - ✚ Erosion & Conservation
- Biomes

## **World Economic and Human Geography:**

1. Natural resources and mineral resources and distribution of key natural resources across the world
2. Agriculture and agro-climatic **regions**
3. Industry and location factors
4. Infrastructure
5. World Population, density & distribution, races & tribes,
6. settlements & migration

# **Indian** **Geography**

## **Physical Geography of India**

### **1. Location**

- Latitude
- Longitude
- Physiographic division of India
  - Northern Mountains
  - Plains of India
  - Peninsular Plateau
  - Islands of India
- Drainage System
  - Himalayan Drainage System
  - Peninsular Drainage System
  - Other small river system

### **2. Indian Climate**

- Spatial and temporal distribution of temperature & pressure
- Winds
- Rainfall

- |  |
|--|
| <ol style="list-style-type: none"><li>1. Contemporary India - I - Class IX<br/>NCERT</li><li>2. Contemporary India - II - Class X<br/>NCERT</li><li>3. India Physical Environment - Class XI<br/>NCERT</li><li>4. India - People and Economy - Class XII<br/>NCERT</li><li>5. Indian Mapping - Atlas</li></ol> |
|--|

- Indian Monsoon
  - ✚ Mechanism
  - ✚ Onset
  - ✚ Variability
- Rainfall distribution
- Climatic Regions of India

### 3. **Soils**

- Classification of Soils
- Problems of Soil and Conservation

### 4. **Indian Flora & Faun**

- Forests and their distribution
- Forest Conservation
- Fauna

## **Indian Economic and Human Geography**

1. Agriculture typology and major Crops grown in India
2. Agro-Climatic Regions
3. Land Reforms and Land use pattern
4. Animal Husbandry, Fisheries and Aquaculture
5. Water Resources- Availability and potential: Lakes, rivers, dams, power and irrigation projects, wetlands and interlinking of rivers
6. Mineral Resources- classification and distribution
7. Energy Resources- conventional and non-conventional resources
8. Population and Growth trends - density, sex ratio, literacy, tribes and racial groups in India
9. Rural and Urban Settlements- types and patterns
10. Industries- types and their locational factors
11. Transport and Communication -railways, highways, inland
12. water transport, shipping and sea-ports, air transport

***Map Based Questions from India (Location of state, city, river, lakes, important places including Ramsar sites, Biosphere Reserves, Wildlife Sanctuaries and National Parks)***

## **Indian Polity**

### **1. Background**

- Constitutionalism
- Historical Underpinnings
- Evolution & Making of the Constitution

- Indian Constitution at Work – Class XI
- Democratic Politics – Class IX
- Democratic Politics -- Class X
- Indian Polity by Laxmikant – 5th edition
- Institutions in India Public
- Institutions in India: Performance and Design – Pratapa Bhanu Mehta
- Subhash Kashyap - Our Constitution, OurParliament
- Introduction to the Constitution of India - D D Basu



- Features and Significant Provisions
- Political systems
  - ✚ Democratic & Non-Democratic
  - ✚ Parliamentary & Presidential
  - ✚ Unitary & Federal
  - ✚ Direct and Representative
  - ✚ Republic and Monarchy etc.
- The Preamble
- The Union and its Territory
- Citizenship
- Fundamental Rights
- Directive Principles
- Fundamental Duties
- Amendment of Constitution
- Basic Structure of the Constitution
- Emergency Provisions

## **2. Central Government**

- President of India
- Vice President of India
- Prime minister
- Central Council of Ministers, Parliament

## **3. State Government**

- Governor
- Chief Minister
- State Council of Ministers
- State Legislature

## **4. Judiciary**

- Supreme Court
- High Courts
- Subordinate Courts

## **5. Indian Federalism**

- Centre-State Relations
- Inter-state Relations

## **6. Local Government**

- Panchayati Raj
- Local Urban Government

## **7. Other Dimensions**

- Official Language

- Public Services
- Tribunals
- Special provisions for SCs, STs, BCs, Minorities & Anglo-Indians
- Rights and liabilities of the Government
- Authoritative text in Hindi Language
- Anti-defection law

### **8. Political dimensions**

- Ministries and Departments of the Government
- Pressure groups
- Elections & political parties
- Representation of People's Act
- Election Process
- Governance
- Transparency & Accountability
- RTI
- Citizen's Charter
- e-Governance

### **9. Constitutional Bodies**

- Election Commission
- Union Public Service Commission (UPSC)
- State Public Service Commission (SPSC)
- Finance Commission
- CAG
- Attorney general of India
- Advocate general of India
- Special officer for Linguistic Minorities
- National Commission for Scheduled Castes (NCSC)
- National Commission for Scheduled Tribes (NCST)
- National Commission for Backward Castes (NCBC) etc.

### **10. Non-Constitutional Bodies**

NITI Aayog, NHRC, SHRC, CIC, SIC, CVC, CBI, Lokpal, Lokayukta, NCPCR etc.

### **11. International Institutions**

UN, World Bank, IMF, WIPO, ADB, BRICS etc.

# Indian Economy

## **1. National Income Accounting:**

- Definition
- **Concepts:** GDP, GNP, Market Price and Factor Cost, NNP, NDP, transfer payments, National income at FC, Personal Income, disposable income, factors affecting national income, net foreign factor income
- **Measurement of national income:** value added method, income method, expenditure method, Application of various methods, Base year, GDP deflator
- Debates around GDP and other indices

## **2. Money and Banking**

- **Money**
  - Definition
  - Functions and significance
  - Evolution of Money
  - Money supply in India and factors affecting it
- **Banking**
  - Need of banks
  - Function
  - Commercial Banks
- **Central Bank:**
  - Importance
  - Functions
  - Structure
  - Monetary Policy
  - Policy tools, (CRR, SLR, OMO, Repo and Rev Repo, MSF etc.)
- **Banking Reforms**

## **3. Capital Markets & Money Markets**

- Basic Terms and Concepts, Equity and debt Instruments
- Primary market and Secondary markets etc.

## **4. Inflation and Employment**

- **Inflation**
  - Definition
  - Inflationary Gap and Inflationary process

### **NCERT**

- Economics - Class IX
- Understanding Economic Development - Class X
- Introductory Macroeconomics – Class XII
- Introductory Microeconomics – Class XII
- Indian Economic Development - Class XI
- Indian Economic development - Class XI

***Indian Economy by Ramesh Singh/Sanjiv verma/ Kapila/ Dutt & Sundaram***

- Inflation Cycles: Demand Pull Inflation, Cost Push Inflation,
- Causes of Inflation
- Inflation Control measures
- **Unemployment**
  - Types of Unemployment: Structural, Seasonal, Frictional, Cyclical
  - Nature of Unemployment in India

## **5. Government budgeting and Fiscal Policy**

- Budgeting
  - Evolution of Budgeting
  - Institutions and Laws
  - The Union Budget: Components - Revenue Account,
  - Capital Account, Measures of Government Deficit etc.,
  - Weaknesses in the Budgetary Process
- Fiscal Policy
  - Public Finance - Role and Importance,
  - Public Expenditure - Revenue and Capital, Development and Non-Development
  - Public Revenue
    - ✚ Sources of Revenue
    - ✚ Taxes
      - ✓ Classification - Direct and Indirect, Specific and Ad Valorem
      - ✓ Social and Economic Objectives of Taxes
- Public Debt
- Deficit Financing

## **6. External Sector and Currency Exchange rate**

- Balance of Payments: Definition, Current and Capital Accounts, Convertibility
- FDI, FII -- issues, challenges etc.
- Foreign Trade of India
- Trade Policy
- Product wise trade
- Region wise trade
- Subsidy boxes
- WTO related issues
- and India
- Intellectual Property Rights

## **7. International Trade and Bodies:**

- IMF: Purpose and
- Objectives, Organization and Functions, Working and
- Evaluation, IMF and Underdeveloped Countries, SDR's,
- Reforms etc.,

- World Bank
- Bilateral and Regional Cooperation

### **8. Industrial Sector:**

- Industrial Policies
- Licensing
- MSME
- Labour Reforms
- Companies Act
- Make in India, Skill India
- Challenges in Industrial development
- Organised and unorganised sector
- PPP
- Investment models

### **9. Initiatives by the govt.**

- Government policies
- Five year Plans: Priorities and Performance, Issues
- related to planning
- Economic Policies till 1991
- Economic Reforms since 1991: End of license Raj, Liberalization, Privatisation and Globalisation

### **10. Infrastructure:**

IT, Communication, Urbanisation, Transport, Mining, etc.

## **Agriculture**

- Recent trends in Agriculture Sector
- Cropping System and Pattern;
- Agricultural Marketing and Reforms
- Agricultural Research;
- Sustainable Agriculture;
- Animal Husbandry
- PDS
- Farm distress and government initiatives

## **Environment & Ecology**

### **1. Ecology and Functions of an ecosystem**

- Terrestrial ecosystems
- Aquatic ecosystems

### **2. Environmental problems:**

- Climate Change
- Acidification
- Eutrophication
- Ozone Depletion
- Mitigation Strategies
- India and Climate Change

- Our Environment - Class VII
- Biology - Class XII - Chapters 14-16 (Under Units 10)
- ICSE Environmental Studies - Class IX – S. Chand Publication – 2018 Edition
- ICSE Environmental Studies - Class X -- S. Chand Publication – 2008 Edition
- Environment – Shankar IAS

### **3. Environmental pollution**

- Pollutants
- Air pollution
- Water Pollution
- Soil Pollution
- Noise Pollution
- Radioactive pollution
- E-Waste
- Solid Waste
- Bioremediation

### **4. Biodiversity**

- Basic Concepts
- Plant and Animal Diversity
- Marine Organisms
- Threat to Biodiversity
- Protected Area Network: National parks, Wildlife sanctuaries, Biosphere reserves, Reserved and protected forests, Conservation and community reserves, Village and panchayat Forests, Private protected areas, Conservation areas
- Biodiversity Conservation efforts
- Indian Biodiversity ad conservation efforts
- Bioprospecting
- Biosafety
- Biopiracy

### **5. Conservation efforts: India and World**

- Institutional and Organizational mechanisms
- Environmental Acts and Policies
- Environmental conventions
- Sustainable development Environmental Monitoring and Impact Assessment

# Science & Technology

## 1. S&T in India

- Historical Perspective
- Science and Planning
- S&T Policies in Independent India
- S&T Infrastructure in India
- Department of Science and Technology

- NCERT Class VI to Class X
- Class XI – Chemistry: Unit 14
- Class XI – Biology: Units 4 & 5
- Class XII – Chemistry: Unit 16
- Class XII – Biology: Units 8, 9 & 10
- Current Affairs
  - Science reporter
  - News paper

## 2. Earth Sciences

- Weather Forecasting and Climate Research in India
- Seismology Research
- Ocean Development
- Natural Disasters

## 3. Energy

- Types of Energy Resources
- Fossil Fuels
- Renewable Sources and their Development in India

## 4. Nuclear Science

- Radioactivity
- Radioisotopes
- Nuclear Power
- Applications of Nuclear S&T
- Safety Issues
- Nuclear Weapons
- India's Nuclear Science Programme
- Particle Physics

## 5. Information Technology

- Electronics
- Computers
- The Internet
- Computer Security
- Telecommunication
- India and Info-Tech
- Artificial Intelligence
- Robots and Robotics
- Fibre Optics

- Computer- and IT-Related Terms and Products

#### 6. **Lasers**

- Principles and Types
- Applications
- Basic Science
- Industry
- Defence
- Nuclear Energy
- Health and Medical Care
- Laser Technology in India

#### 7. **Superconductivity**

- What is Superconductivity
- Uses and Applications
- Research in India

#### 8. **Nanotechnology**

- Understanding Nanotechnology
- Approaches in Nanotechnology
- Applications
- Implications and Various Concerns
- Nanotechnology in India
- Nano Mission

#### 9. **Astronomy and Space Research**

- Astronomy and its Importance
- The Origin and Development of the Universe
- Accelerating Expansion of the Universe
- The Objects in the Universe
- Observing the Universe
- Space Exploration
- Elements of Space Research and Technology
- Major Space Probes
- India's Space Programme
- India's Space Ventures
- Space Applications
- Milestones in India's Space Ventures
- Space-Industry Partnership in India
- Export Promotion
- International Cooperation in Space
- Space Garbage and Dealing with it
- Terms



#### 10. **Defence Research and Technology**

- Weapon Innovations of Note
- Defence R&D in India

#### 11. **Health and Medicine**

- Disease-Causing Agents
- Infectious Diseases
- Non-Infectious or Degenerative Diseases
- Deficiency Diseases
- Allergies
- Cancer
- Recent Life Style Concerns
- Health Policies and Programmes in India
- Indian Systems of Medicine and Homoeopathy

#### 12. **Genetics**

- What is Genetics
- Physical Basis of Heredity
- Chemical Basis of Heredity
- Gene Mapping
- Genome Analysis and Human Genetics

#### 13. **Biotechnology**

- What is Biotechnology
- Biotechnology Techniques
- Genetic Engineering
- DNA Fingerprinting
- Cloning
- Artificial Insemination and Embryo
- Stem Cell Technology
- Applications of Biotechnology
- Biotech Research in India
- Patents and Biotechnology

#### 14. **Applications of S&T**

- ***Agriculture and Rural Development***
  - Basic Resources of Agriculture
  - Environment-Friendly Agriculture
  - Sustainable Agriculture
  - S&T Advancements in Agricultural Produce in India
  - Genetically Modified Crops: Biosafety and Regulation

- Animal Husbandry
- Agriculture in Special Areas
- Climate-Smart Agriculture
- Research, Education, Transfer of Technology in India
- S&T and Rural Development in India
  
- ***Industry***
  - Major R&D Infrastructure in India
  - Contribution of CSIR
  - Intellectual Property Rights
  - Comments on the National IPR Policy