

IAS  
2022

**GS SCORE**  
An Institute for Civil Services

# GS MAINS TEST SERIES 2022

GS SECTIONAL  
+ MOCK TESTS  
& ESSAY



CONCEPT DISCUSSION  
+ ANSWER WRITING



PERSONAL  
INTERACTION  
WITH FACULTIES



TEST STARTS

**27** NOVEMBER  
2021

TEST TIMINGS: 9:00 AM to 12:00 Noon  
DISCUSSION: ONLINE

## COURSE FEE

PROGRAMME: 1  
Sectional + Mock:  
₹ 17,000 (+GST)

PROGRAMME: 2  
Only Sectional:  
₹ 12,000 (+GST)

➤ Total 20 Tests including:

- 10 Sectional Test
- 2 Essay
- 8 Mock

➤ Detailed Discussion  
after each sectional Test

➤ Discussion will be  
focused on conceptual  
clarity & Answer Writing

➤ Answer Hints including  
Model Approach

➤ Answer Sheets will be  
evaluated by Expert only

➤ One on One Discussion  
with Faculty after copy  
evaluation.

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# Course **FEATURES**

01

## **SYLLABUS COVERAGE**

Through Tests, Model Answers, Test Discussion, Value Addition Material and Various Worksheets whole syllabus will be covered in detail along with inter-disciplinary approach.

02

## **ASSESSMENT OF PREPARATION LEVEL**

Tests are specially designed to act as a platform for checking one's preparation level along with time and speed management skills. Questions are designed to judge the candidates' conceptual and interdisciplinary accumen.

03

## **CONCEPT BUILDING**

Each Sectional Test will be followed by test discussion by concerned faculty. Discussion Classes are designed in such a way that they will help in concept building and Value Addition on the other related topics of the respective Test.

04

## **FEEDBACK & MENTORING**

Copy evaluation and feedback system has been designed to provide relevant insights and feedback to each candidate as per his/her performance. One on One Discussion with respective Faculty after Copy Evaluation

# Course **DELIVERY**

**01**

## **TESTS**

- There are Total 20 Test including 10 Sectional, 2 Essay and 8 Mock Tests.
- Sectional Test is designed to cover the entire subject in Comprehensively & Mock will be conducted on the pattern of UPSC

**02**

## **Model Answers/ Revision Notes**

- Model answers will be provided along with each test.
- They will also help in quick revision of important topics before exam.

**03**

## **Detailed Test Discussion**

- Each sectional Test will be followed by test discussion by concerned faculty.
- Discussion Classes are designed to focus on concept building and Value Addition.

**04**

## **Personalised Mentoring**

- One on One Discussion with respective Faculty after Copy Evaluation to provide Relevant Insights and Feedback to each candidate as per his/her Performance.

# Course **FAQs**



## **What is the programme all about?**

Mains Test Series is specially designed programme for students to check one's preparation level as well as the time and speed management skills. It gives aspirants an idea about writing an articulated answer in sync with the conceptual requirement of the question asked.



## **Who can get enrolled in this course?**

It is beneficial for both the freshers and experienced as it will provide broader scope for answer writing practice with respect to both Core Conceptual as well as interdisciplinary approach of the syllabus.



## **How discussion classes will be conducted?**

There will be coverage of concerned syllabus area along with each question. Instead of merely discussing the answer, which is already present in the detailed hints provided, we focus on conceptual clarity and broader discussion on the issue, sometime also covering alternate questions on same topic.



## **Why One on One Discussion after copy evaluation?**

General perception of joining any test series by aspirants is evaluation & assessment of their preparation. But after assessment, improvement in marks is also important. We conduct one on one interaction with concerned faculty after copy evaluation of every test. While interacting with faculty, aspirants get an idea to improve marks in a particular question. As the whole game and grammar of UPSC is in and around improvement of half marks & one marks.



## **What is the importance of Model Answer & Supplementary notes?**

Model answers provide the information only for a particular question, but through the supplementary notes, the overall facts and concepts related to that topic asked in question can be covered. After completion of 13 tests students will have a repository of Supplementary notes covering 200+ Topics of paper 1, 2, 3, and 4. It will be of immense help for the students for the revision before the exam.

# Test Schedule

## SECTIONAL TEST

Test No.	Test Date	Test Topics
Test: 1	27 November, 2021	Indian Polity and Constitution + PIC
Test: 2	05 December, 2021	Indian Society and Governance
Test: 3	12 December, 2021	Art Culture & Modern India
Test: 4	19 December, 2021	Indian Economy
Test: 5	26 December, 2021	Ethics - 1
Test: 6	02 January, 2022	Essay - 1
Test: 7	16 January, 2022	Ethics - 2
Test: 8	30 January, 2022	Essay - 2
Test: 9	13 February, 2022	Geography + Disaster Management
Test: 10	27 February, 2022	Agriculture + Environment
Test: 11	06 March, 2022	International Relations + Worlds History + International Organisation
Test: 12	19 March, 2022	Science and Technology + Internal Security



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## MOCK TEST (AFTER PRELIMS)

Test No.	Test Topics	
Test: 13	Mock Test 1	GS Paper- 1 (Entire Syllabus)
Test: 14	Mock Test 2	GS Paper- 2 (Entire Syllabus)
Test: 15	Mock Test 3	GS Paper- 3 (Entire Syllabus)
Test: 16	Mock Test 4	GS Paper- 4 (Entire Syllabus)
Test: 17	Mock Test 5	GS Paper- 1 (Entire Syllabus)
Test: 18	Mock Test 6	GS Paper- 2 (Entire Syllabus)
Test: 19	Mock Test 7	GS Paper- 3 (Entire Syllabus)
Test: 20	Mock Test 8	GS Paper- 4 (Entire Syllabus)

# **TEST: 1**

## **INDIAN POLITY & CONSTITUTION + PIC**

**27 NOVEMBER, 2021**

### **UPSC Syllabus**

- Indian Constitution- historical underpinnings, evolution, features, amendments, significant provisions and basic structure
- Separation of powers
- Fundamental Rights, Preamble, DPSP, Fundamental Duties, etc.
- Comparison of the Indian constitutional scheme with that of other countries
- Salient features of RP Act

### **Sub-Topic Listing POLITY**

#### **CONSTITUTIONAL FRAMEWORK**

##### **(1) Historical underpinning**

- Constitution: Why and How?
- Historical Background

##### **(2) Evolution**

- Constituent Assembly and its vision of future
- Making of the Constitution
- Constitution as a living document
- Democracy and diversity
- Outcomes of democracy
- Crisis of Democratic order
- National Commission to Review the Working of the Constitution
- Comparison of the Indian Constitutional scheme with that of other countries

##### **(3) Features**

- Sources of the Constitution
- Salient features of the Constitution
- The Philosophy of the Constitution
- System of Government: Parliamentary &

##### **Presidential System**

- Role of Convention under the Constitution
- Comparison between Judicial Review and Parliamentary Supremacy

##### **(4) Amendments**

- Amendment of the Constitution
  - Keshvanand Bharti Case Judgement
  - 42<sup>nd</sup> and 44<sup>th</sup> Amendment to the Constitution
  - The Constitution (103<sup>rd</sup> Amendment) Act, 2019 (124<sup>th</sup> Constitution Amendment Bill) to provide 10% reservation in government jobs and educational institutions to the economically weaker sections (EWS)
  - The Constitution (125<sup>th</sup> Amendment) Bill, 2019

##### **(5) Significant Provisions**

- Preamble of the Constitution
  - Debate : Is Preamble part of the Constitution and its amendment
- Citizenship
  - National Register of Citizens
- Fundamental Rights
  - Rule of Law
  - Procedure Established by Law vs Due

### Process of Law

- Exceptions to Fundamental Rights
- Amenability of Fundamental Rights
- Rights following from other provision of the Constitution
- Major Debates/ Issues around Fundamental Rights:
  - Limitations upon the Freedom
  - Freedom of Press and Censorship
  - Free Speech: Rights & Limits and Hate speech
  - Data protection: Privacy Vs. Innovation
  - RTI amendments
  - Sedition-Law- Comprehensive public discussion regarding Section 124A of the Indian Penal Code 1860
  - Right To Information Act 2005.
  - 'Living wills'/ Euthanasia
  - Restriction on the entry of women in places of worship
  - Reservation in India – Explained in Layman's Terms
  - Reservation in promotion
  - Aadhaar and Privacy issues
  - Constitutionality of article 35A
- Directive Principles of the State Policy
  - Scope of DPSP: Economic and Social Democracy
  - Implantation of Directives
  - Conflict between Fundamental Rights and role of judiciary in harmonizing them
  - Challenge of implementing Uniform civil code
- Fundamental Duties
- Union Territories
  - Chief Minister Vs Lieutenant Governor: Rules, Rights And Responsibilities
- Special Status of Jammu and Kashmir
  - Kashmir Unrest
- Special Provisions for some States
- Scheduled and Tribal areas
- Official Language
  - Reasons for the 58<sup>th</sup> Amendment

## (6) Major Doctrines

- Doctrine of Basic Structure of the Constitution
- Doctrine of Harmonious Construction
- Doctrine of Eclipse
- Doctrine of Pith and Substance
- Doctrine of Incidental or Ancillary Powers
- Doctrine of Colourable Legislation
- Doctrine of Severability

- Doctrine of Territorial Nexus
- Doctrine of Laches

## (7) Pressure groups and formal/informal associations and their role in the Polity

- Pressure Groups
- Popular Struggles and Movements
- Rise of Popular movements

## (8) Election & The Representatives of People's Act

- Political Parties
  - Criminalisation of politics
  - Freebies Politics in India
  - Issues Related to the Working of Political Parties
  - Inner Party Democracy
  - Significance of Strong Opposition in Democracy
- Elections
  - Role of Civil Society in Free and Fair Election
  - What is Tactical Voting and Proportional Representation?
  - What is Absentee Ballot?
- Voting Behaviour
- Election Laws
  - Representation of People (Amendment) Bill 2010- Voting rights to NRI
  - Introduction of NOTA
  - Bill on Right to Recall Legislators
- Electoral reforms
  - Demand For A Hybrid Electoral System
  - Simultaneous Elections
  - About Paper Trail units
  - Election Funding (Electoral bonds)- Corporate funding laws
  - State Funding in elections
  - Women voices in elections
  - Law Commission Report on Electoral Reforms
- Anti-Defection Law
  - Anti-Defection Law: Is it time for reconsideration?

## (9) Development processes and the development industry

- The role of NGOs
  - NGOs and Development/ Crackdown on NGOs
  - Accountability and transparency in NGOs
- SHGs, various groups and associations, donors, charities, institutional and other stakeholders



**(10) Major Issues**

- Dalit assertion and Politics of reservation
- Should India spend more on science or Social welfare?
- Protection of Women from Domestic Violence Act 2005
- Agrarian crisis: Issues in farmer economy
- Issues related to Social Media
- Media freedom and Responsible reporting
- Marital rape
- Section 377: Constitutionality Vs Morality
- Legalising Sports Betting In India

**(11) Mechanism, laws, Institutions and Bodies constituted for the protection and betterment of these vulnerable sections**

- Special Provisions relating to Certain Classes
  - Muslim Personal law: Polygamy/ Triple talaq
- Scheduled and Tribal Areas
  - SC/ST Act judgment: Protecting the innocent or diluting the Protection?

**CONSTITUTIONAL/NON-CONSTITUTIONAL BODIES****(1) Constitutional Bodies**

- Election Commission
- Union Public Service Commission
- State Public Service Commission
- Finance Commission
  - 14<sup>th</sup> Finance Commission and Local Governments
  - 15<sup>th</sup> Finance commission: Issues with Term and References
- State Finance Commission
- Law Commission
  - 268<sup>th</sup> Report of Law Commission on Bail Reforms

- Law Commission report on Hate Speech
- Pay Commission
  - 7<sup>th</sup> Pay Commission
- National Commission for SCs
- National Commission for STs
- Special Officer for Linguistic Minorities
- Comptroller and Auditor General of India (CAG)
  - Functioning and Autonomy of CAG
- National Commission for Backward Classes
- Attorney General of India
- Advocate General of the State
- Co-operative Societies
- Tribunals
  - Problems with Tribunals, Problems arising out of sidestepping the HC

**(2) Statutory, regulatory and various quasi-judicial bodies**

- Rationalization Of Autonomous Bodies
- National Human Rights Commission
- National Commission for Women
- State Human Rights Commission
- Central Information Commission
- State Information Commission
- Central Vigilance Commission
  - Preventive Vigilance
- Central Bureau of Investigation
  - Autonomy of CBI
- Lokpal and Lokayuktas
  - Issues related to the appointment of Lokpal
- Quasi judicial bodies
- NITI Aayog
  - NITI Aayog's Report on Rationalization of Centrally Sponsored Schemes (CSS)
  - Model Land leasing Law prepared by NITI Aayog

**CONTEMPORARY ISSUES****(1) Recent Bills & Acts**

- The Farmers (Empowerment and Protection) Agreement on Price Assurance and Farm Services Act, 2020
- The Farmers' Produce Trade and Commerce (Promotion and Facilitation) Act, 2020
- The Essential Commodities (Amendment) Act, 2020
- The Insolvency and Bankruptcy Code (Second Amendment) Act, 2020
- The Companies (Amendment) Act, 2020
- The Occupational Safety, Health And Working

Conditions Code, 2020

- The Code on Social Security, 2020
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- Foreign Contribution (Regulation) Amendment Act, 2020
- Centre repeals the Indian Medical Council Act, 1956
- Hindu Succession (Amendment) Act, 2005
- The RTI Act, 2005
- Epidemic Diseases Act, 1897

## (2) Elections

- Criminalization of Politics
- Issues Related to the Working of Political Parties
- Enact Strong Laws to Cleanse Politics, says Supreme Court
- How effective is Election Commission in Ensuring Fair Elections

- Freebies Politics in India
- Election Commission Proposal for Countering Bribe-for-Votes
- Law Commission Report on Electoral Reforms
- State Funding in Elections
- Role of Civil Society in Free and Fair Election
- Women Voices in Elections
- Electronic Voting Machine (EVM) Issue
- About Paper Trail Units
- Anti-Defection Law
- Office of Profit & RPA

## (3) Miscellaneous

- Revisiting Section 124-A of IPC
- Adultery No More Criminal Offence in India

## (4) Etc.

## Sub-Topic Listing PIC

## POST-INDEPENDENCE

### (1) Challenges before India after Independence

- Communal Riots and Regions most affected
- Partition and then Independence: Punjab, Bengal and Assam, Sindh
- Radcliff Commission and challenges before boundary commission
- Radcliff Commission and its composition
  - Challenges before the Boundary Commission
  - Drawbacks of Commission
- Division of sources
- Finances
- Defence personnel and equipment
- Civil government
- Assassination of Gandhi
- Resettlement and Rehabilitation of Refugees
- Shift to Constitutional Democracy
- Challenges after Independence

### (2) The Indian States

- Policy of Equal Federation (1935-1947)
  - Plan of consolidation
- Integration of Princely States: Junagadh, Kashmir and Hyderabad
- Aftermath of Integration

➤ Goa and Pondicherry

- Tribal Integration
  - Roots of India Tribal Policy
  - Reasons for dismal performance of Tribal Policy
- Positive Development happened due to state's Initiative since 1947
  - Issue of language
  - The Official Language
  - Features of Official Language Act

### (3) Framing of the Constitution of India

- Evolution of the Constitution and main provisions
- Steps to the Constitution
- Constitutional Developments
- The Indian Constitution: Main Provisions
- The Constituent Assembly
  - Formation
  - Compulsions and Issues in front of Assembly

### (4) From Colony to Democracy

- Challenge of building democracy

- Challenges before ECI and conduction of first general election
- Starting of one party dominance
  - Dominance of Congress System
  - Nature of Congress Dominance
  - 1967 elections
  - Split in the Congress
- Emergence of Opposition Parties
  - Role of opposition parties
  - Various opposition parties

## (5) Economic Consolidation

- Economic Development and Planning
- Ideas of Development
  - Planning
- Formation of Planning Commission
  - First five year plan
  - Second five year plan
  - Achievements of Plans from 1947 to 1965
- Key controversies regarding 5 year plans
- Green Revolution
  - Prevailing Conditions before the introduction of Green Revolution
  - Initiatives prior to Green Revolution to boost Agriculture
  - Government's other positive initiative during Green Revolution Period
  - Positive and negative impact of Green Revolution
- Operation Flood and Cooperatives
  - Formation of Amul
  - Starting and impact of Operation Flood
  - Limitations of Co-operativization
- Development of land reforms in India between 1947 and early 1960's
  - Abolition of intermediaries
  - Tenancy reforms
  - Ceiling on land holdings
- Bhoodan Movement
  - Aims and advantages of Bhoodan movement

## (6) India's External Relations

- Evolution of India's Foreign Policy
  - Strategic Issues
  - Features of Indian Foreign Policy
- Emergence of NAM and its Summits
  - Organizational structure & membership
- India and its neighbours
  - India and China

- India and Pakistan (Indo-Pak War, Kargil War, Shimla Agreement, Tashkent Declaration and Agra Summit)
- India and Bangladesh (creation of Bangladesh)
- India and Sri Lanka
- India with Nepal and Bhutan
- India's relations with two countries of Bipolar world: USA and USSR
- Analysis of Nehruvian Foreign Policy

## (7) The Crisis of Democratic Order

- The JP movement and Emergency 1975-77: Testing of Indian democracy tested
  - Background to emergency (Economic context, Gujarat and Bihar movements, Conflict with Judiciary)
  - Declaration of emergency (Crisis and Response)
  - Controversies regarding emergency
  - Lessons from emergency
  - Politics after Emergency (LS elections 1977 and Janata Party)
- The Opposition: Initial years of BJP
- The Naxalite Movement
- Communalism
- Secularism and democracy
  - Ayodhya dispute: Demolition and after
- Communalism and use of state power
  - Revival and growth of communalism
  - Anti-muslim riots in Gujarat
  - The Punjab Crisis
  - Operation Blue Star
  - Demand of Khalistan
- Basis of Regionalism: Politics in the states
  - Roots of tension
  - Challenges of Regionalism
  - Tamil Nadu (Dravidian Movement), Andhra Pradesh, Assam, West Bengal and J&K (external and internal disputes)
- Secessionist movement in North-Eastern states
- Accommodation and National Integration

## (8) Popular Movements

- Nature of Popular Movements
- Environment Movements
- Chipko Movement

- Narmada Bachao Andolon (Sardar Sarovar Project, Debates and struggles)
- Party based Movement and Non-party based movements
- Caste, Untouchability, Anti-caste politics and strategies
  - Issues of Dalit
  - Dalit panthers: Origin and their activities
- Agrarian Struggles
  - Bharatiya Kisan Union: Growth and its characteristics
  - National Fish Worker's Forum
- Anti-Arrack Movement: Origin and its linkage
- Indian Women since Independence
- Lesson from popular movements

### (9) Recent developments in Indian politics

- Context of the 1990s
- Era of Coalition
  - Decline of Congress
  - Alliance politics
- Political Rise of other Backward Classes
  - Mandal Implemented: The Mandal Commission
  - Political fallout
- NEP-1991, LPG policy, Tax reforms, Privatisation, globalisation and ICT
- Nuclear policy
- Emergence of new consensus
  - LS elections 2004
- Terrorist troubles and relations with Pakistan

## CONTEMPORARY ISSUES

### (1) Polity

- Reorganisation of States
- Emergency in India
- Linguistic Regionalism in India.
- Lok Sabha Elections 2014 and 2018.

### (2) Economy

- Agriculture since 12th five year plan
- Industry since 12th five year plan
- New Economic Policies and its Impact

### (3) Social Issues Related to Vulnerable Section

- Tribal Issue and Policy Consolidation .
- Issue of Women and Evolution of Women Movement
- Agrarian Struggles
- Problem of Caste and Social Consolidation
- Communalism Secularism and Social Consolidation .
- Regionalism Issues in India .
- Issue of Linguistic Minorities .
- Environment Movements .

### (4) Etc.

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# TEST: 2 - INDIAN SOCIETY & GOVERNANCE

05 DECEMBER, 2021

## INDIAN SOCIETY

### UPSC Syllabus

- Salient features of Indian Society
- Diversity of India
- Effects of globalization on Indian society
- National Integration, communalism, regionalism & secularism
- Role of women and women's organization
- Social empowerment, poverty and developmental issues
- 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 section
- Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources
- Issues relating to poverty and hunger
- Inclusive growth and issues arising from it.

## Sub-Topic Listing INDIAN SOCIETY

### UNITY IN DIVERSITY

- (1) Concepts of Unity and Diversity
- (2) Forms of Diversity in India
- (3) Reasons for so much Diversity
- (4) Bonds of Unity In India
  - Geo-political Unity
  - The Institution of Pilgrimage
  - Tradition of Accommodation
  - Tradition of Interdependence
  - Role of Sensitive Leaders
  - Constitutional Safeguards – Role of Constitution Framers
- (5) Challenges of Diversity to Unity (Challenges to National Integration)

- Diversity of Constituents
- Regionalism and Cultural Identities
- Casteism
- Linguism
- Communalism
- Social Inequalities
- Regional Disparities
- Ethno-Nationality and Ethnic Conflicts
- Tribal Identity

- (6) Basic Sociological Concepts
- (7) The Family and Kinship
- (8) Concept of Patriarchy In India

### SECULARISM, REGIONALISM AND COMMUNALISM



**(1) Secularism and Secularization**

- Western and Indian Concept
- Process of Secularization
- Secularism and Forced Conversion in India

**(2) Communalism, Fundamentalism and Communal Violence****(3) Regionalism**

- Regionalism in India
- Types of Regionalism
- Effects of Regionalism
- Regionalism: Demand for Smaller States
- Strategies to tackle Regionalism
- Sons of Soil Concept

**SOCIAL EMPOWERMENT****(1) Constitutional Provisions Relevant to Social Justice & Empowerment of Scheduled Caste & Scheduled Tribes****(2) Status of Minorities In India****(3) The Scheduled Castes: From Untouchable to Dalit**

- Population of the Scheduled Castes
- Types of Disabilities of the SCs
- From Untouchables to the Dalits: The Process of Identity Formation
- Combating Mechanism against Caste Atrocities and Violence
- The State Efforts for Dalit Emancipation

**(4) Tribals in India**

- Chronic Indebtedness
- Forest Related Problems
- Destruction of the Forest Environment and the Tribal People
- Development and Displacement
- Analysis of Forest Rights Act

**(5) Women Movements**

- 19th Century Women Movements – Under Social Reform Movements
- Women's Issues During Gandhian Era
- Issues in Post Independence Era
- Violence Against Women
- Developmental Movement
- Uniform Civil Code

**(6) Social Justice**

- Concept of Casteism in India
- Caste and Politics
- The Reservation Policy Debate
- Social Justice and Social Development

**(7) Social Security in India**

- Concept
- Social Security System in India
- Organized Sector and Social Security
- Unorganised Sector and Social Security
- Centrally Funded Social Assistance Programmes
- Public Initiatives
- Review of the implementation of Social Security Laws in the Country
- Suggestions for Improving the Social Security Matrix

**(8) Understanding Poverty**

- Dimensions of Poverty
- Linkage between Poverty and Development
- Recommendations of Rangarajan Committee Report
- Poverty Alleviation Strategy Since Independence
- Programmes for Poverty Alleviation
- Concept of Inequality

**GLOBALIZATION****(1) Meaning of Globalization****(2) Reasons for Globalization****(3) Dimensions/Impact**

- Political
- Cultural and Social
- Economic

**(4) Anti-Globalization Movement****(5) New Localism****URBANIZATION & CENSUS 2011****(1) Urbanization**

- Trend and pattern of Urbanization
- Issues Related to Urbanization in India
- Status of Service Delivery and Governance
- Urban Development Projects
- Critical Analysis of Smart City Mission

**(2) CENSUS 2011**

- Highlights of 2011 Census
- Analysis of Sex Ratio Data
- Impact of Skewed Ratio
- Laws related to Prevent Female Infanticide
- Recent initiatives
- Trend and Current Scenario of Literacy in India
- Literacy Challenges in India as Whole
- Efforts to Improve the Literacy in Country
- Child Health Indicators and Maternal Health
- Initiatives taken by the Government
- Why the Health schemes fail to bring change?
- Family Planning and Population Policy of India
- Analysis on Status of Old Age Population: Issues & Policy Initiative
- Socio-Economic Caste Census 2011

**GOVERNANCE****UPSC Syllabus**

- Pressure groups and formal/informal associations and their role in the Polity
- Government policies and interventions for development in various sectors and issues arising out of their design and implementation
- Development processes and the development industry the role of NGOs, SHGs, various groups and associations, donors, charities, institutional and other stakeholders
- Important aspects of governance, transparency and accountability
- e-governance- applications, models, successes, limitations, and potential
- Citizens Charters, transparency & accountability and institutional and other measures
- Role of civil services in a democracy
- Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies
- Statutory, regulatory and various quasi-judicial bodies<sup>7</sup>

**Sub-Topic Listing****(1) Governance**

- Concept of Good Governance
- Issues Concerning Governance
- Right Based Approach in Policy Making
- Public Policy Making and Policy Implementation
- How to Establish Good Governance

**(2) Transparency & Accountability****■ Right to Information**

- Information sharing and transparency in government
- RTI and Official Secret Act: Who's winning and why Judiciary wants to remain isolated

**■ Citizen's Charters**

- Benefits of Citizen Charter
- Citizen Charter in India: An Evaluation
- Problems Faced in Implementing the Charters
- Steps to improve Citizen Charters

- Indian Approach to Citizen Charter: Sevottam Model
- Administrative Reforms Commission's Seven Step Model for Citizen Centricity
- Right to Service

**■ Extent of regulations and openness of media and social networking sites**

- T.K. Visanathan Committee On Hate Speech
- Role of MEDIA in bringing Transparency and Accountability
- Social Media and Accountability

**■ E-Governance**

- Role of E-Governance in bringing Transparency and Accountability
- Major E-Governance Projects and challenges in their implementation

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

- Linkage of Civil Services and Democracy
- Debate on Lateral Entry in Civil Services

- Relation between Civil Servants and Political Executives
- Performance Appraisal System in Bureaucracy
- Reforms Needed In Indian Bureaucracy

#### ■ Codes of Ethics and Code of Conduct

- Paid news abuse by social media a poll menace
- Model code of conduct

#### ■ Utilization of Public funds

- Significance of Public Accounts Committee
- Challenges of corruption and incompetence

### (3) Regulatory Structure and Governance Reforms

#### ■ Functions and responsibilities of various Bodies

- Analysis of Autonomy and functioning of CAG, CBI, CVC and NHRC
- Lokpal and rise of Ombudsman era: a critical evaluation of journey traveled so far
- State and operational effectiveness of Local governments in India
- Corporate Governance in India - Why is it so critical

#### ■ Police Reforms in India

#### ■ Curb On VIP Culture

#### ■ Prison Reforms in India

#### ■ Improving Governance In Public Systems

### (4) Development Process and the Development Industry

- Role of Self Help Group in Development
- Shortcomings and Recommendations to Improve Self Help Group
- Role and functions of NGOs in the Development
- Challenges Faced by NGOs in India
- Issue of Fund Mismanagement
- Role of Microfinance Institutions in Development Process
- Issues Related to Microfinance Institutions and Recommendations
- Role of Foreign aid in Development
- The role and function of pressure groups in India
- Changing Pattern of Pressure Group Politics in India

### (5) Socio-Economic Development

#### ■ Concept of Human Development

- Economic Growth and Human Development: Two-Way Link
- Measurement of Human Development

#### ■ Understanding Poverty

- Dimensions of Poverty
- Linkage between Poverty and Development
- Recommendations of Rangarajan Committee Report
- Poverty Alleviation Strategy Since Independence
- Programmes for Poverty Alleviation
- Concept of Inequality
- World Inequality Report 2018: Findings of the Report
- Income Inequality in India
- Recommendations to Reduce Inequality

#### ■ Hunger

- Manifestations of Hunger and its causes
- Challenges to Food Security
- Global Hunger Index Report, 2018
- Recommendations

#### ■ Institutional Measures for Welfare of Vulnerable Sections

- Issues Related to the Weaker Sections & Vulnerable groups in India
- Constitutional Provisions for the Welfare of Society
- Institutional Measures for the Welfare of the Society
- Issues with the Institutional Mechanisms

#### ■ Health

- Public Health System of India
- Shortcomings of the Healthcare Sector
- Urgency of achieving Universal Health Coverage
- Evaluation of SWACHH BHARAT MISSION
- Global Nutrition Report 2018
- Initiatives Taken In Health Sector : Ayushman Bharat
- National Health Policy

#### ■ Education

- Challenges of Education sector in India
- Right to Education and Challenges to EWS Children
- Initiatives by Government

### (6) 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

### (7) Pressure groups and formal/informal associations and their role in the Polity

- What are pressure groups?
- Types of pressure groups
- Significance of pressure groups in India
- Differentiate between a pressure group and a political party
- Evaluation of pressure groups role

### (8) 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.

### (9) Statutory, regulatory and various quasi-judicial bodies

- SEBI , CVC , CBI, Planning Commission NDC, PMO
- TRAI, IRDA
- National Human Rights Commission
- State Human Rights Commission
- Central Information Commission
- State Information Commission
- National Consumer Disputes Redressal Commission
- 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
- Role of CAG
- 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: Cauvery dispute
- Role of NitiAayog

## CONTEMPORARY ISSUES

### (1) Second ARC Report

- Functions of Government
- Issues in Organizational Structure of GOI
- Good Governance and Citizen Centric Administration

- e-Governance
- Ethics in Governance

### (2) Initiatives for Transparency & Accountability

- Public Accountability Concept



- Virtual ID for AADHAR
- Social Media & Accountability
- Accountability & Transparency in NGOs
- Autonomy of CBI
- Analysis of Functioning Of CAG
- People Centric Governance
- Pro-Active Governance & 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
- Social Audit Law

### (1) Organisation/Bodies

- 14<sup>th</sup> Finance Commission Analysis
- 7<sup>th</sup> Pay Commission Report &Repercussions
- AFSPA & Second ARC
- Role of NITI Aayog
- Significance of Public Accounts Committee
- Right to Information
- Accountability & Transparency in NGOs

### (2) Scheme

- Pradhan Mantri Jan-Dhan Yojana (PMJDY)
- Swachh Bharat Mission
- National Skill Development Mission
- National Food Security Act, 2013
- Sansad Adarsh Gram Yojana

- Smart City Mission
- Saubhagya Plan
- NAMAMI GANGE
- Critical Analysis of Stand up India scheme
- MGNREGA

### (3) POLICIES

- NITI Aayog's Report on Rationalization of Centrally Sponsored Schemes (CSS)
- Law Commission's 268<sup>th</sup> Report on Bail Reforms
- Model Land Leasing Law Prepared by NITI Aayog
- T K Visanathan Committee on Hate Speech
- Law Commission Report on Tribunals in India
- Law Commission Report on United Nations Convention against Torture

### (4) Miscellaneous

- Women in Armed Forces'
- Abolition of AIHB in consonance of minimum government, maximum governance
- 'Mission Karmayogi for civil services capacity building'
- 'All ministries to list IAS, IPS, other officers with 'doubtful integrity' for early retirement'
- 'Pandemic & Panchayat'
- 'Public Participation and good governance'
- Inter-State Water Dispute
- Debate on Directly Elected Mayor
- Debate on the Issue of Lobbying in India
- Media Role & Censorship Issue
- The Role of States in India's Foreign Policy

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# TEST: 3 - ART CULTURE & MODERN INDIA

12 DECEMBER, 2021

## MODERN HISTORY

### UPSC Syllabus

- Modern Indian history from about the middle of the eighteenth century until the present- significant events, personalities, issues, etc.
- The Freedom Struggle - its various stages and important contributors /contributions from different parts of the country.

### Sub-Topic Listing

#### (1) Before European Penetration in India

- Later Mughals
- Disintegration of Mughal Empire
- Rise of Regional States
  - Bengal
  - Hyderabad and Carnatic
  - Awadh
  - Mysore
  - Kerala
  - The Sikhs
  - Rajput states and Jats
  - Marathas
- Rise and fall of Marathas
- Socio and Economic condition of people in 18<sup>th</sup> Century
- Cultural life of people in 18<sup>th</sup> Century
- Scientific outlook in 18<sup>th</sup> Century

#### (2) Beginning of European Penetration in India

- Trade between India and Europe
- Portuguese Domination
- Spice trade of Dutch
- British trade expansion in India and its effect on India from 1600-1744
- Anglo-French Struggle and Subversion of Indian political power

#### (3) Expansion of British Empire in India 1756-1818

- British expansion in Bengal
- Importance of Battle of Plassey

- Clash between Mir Qasim and East India Company
- Dual system of administration in Bengal
- Wars under Warren Hastings and Cornwallis
- Expansion under Lord Wellesley
- Subsidiary Alliance policy of Wellesley
- Expansion under Cornwallis
- Overpowering of Maratha Confederacy

#### (4) Consolidation under British Rule, 1818-1857

- Conquest of Sind
- Conquest of Punjab
- Policy of Annexation of Dalhousie

#### (5) Structure of British Rule in India

- End of Dual Government and direct administration of Bengal (From 1772)
- Relations between East India Company and British state between 1765-1833
- Regulating Act of 1773 and Pitts India Act
- Charter Act of 1813 and 1833

#### (6) British Economic Policy in India from 1757-1857

- Commercial Policy of British from 1757-1857
- Effect of Battle of Plassey on Indian Trade
- Effect of Industrial Revolution on Economic relations with India
- Factors that Make Britain Favorable for Industrial Revolution
- Drain of Wealth

- Development of Means of Transport and communication and industries
- Land Revenue Policy of British (Permanent, Ryotwari, Mahalwari)
- Effect of Land Revenue Policy on Agrarian relations in India

### (7) Administrative Policy of British

- Civil Service in India
- Role of Army
- Police
- Judicial organization during British Rule
- Introduction of Rule of Law
- Equality Before Law

### (8) Social and Cultural Policy of British

- Modern Thoughts that influenced British Policies in India
- Conservatives and Radicals
- Policy of partial modernization
- Humanitarian Measures (abolition of sati etc)
- Spread of modern education

### (9) Social and Religious Reforms in 19th Century

- Social and Religious reforms in 19<sup>th</sup> Century
- Role of Raja Ram Mohan Roy in social and religious regeneration
- Radical trend between 1820 and 1830 (Derozio)
- Ishwar Chandra Vidya Sagar (Girl education, child marriage, widow remarriage and caste hierarchy)
- Why impact of western Ideas felt more in Bengal than in Western India
- Fight Against Caste System, Untouchability and Widow remarriage, Child marriage
- Parsi Reforms
- Sikh Reforms
- Role of women
- State of Education in India during 19<sup>th</sup> Century

### (10) Revolt of 1857

- Reasons for revolt of 1857
- Participation in Revolt
- Spread of Revolt
- Response of British
- Impact of Revolt of 1857
- Factors responsible for failure of Revolt of 1857

### (11) Administrative Changes Post Revolt of 1857

- Government of India Act of 1858
- Indian council Act of 1861
- Role of Mayo, Lytton and Ripon
- Promotion of Local bodies and role of Ripon
- Changes in Army
- Changed Relationship with Princely States
- Reactionary policy of British
  - Divide and Rule
  - Restrictions on Press
  - Attitude towards social reform
  - Hostility towards educated Indians
- Labor Legislations

### (12) Economic Impact of British Rule

- Ruin of Traditional Economy
- Impoverishment of peasantry
- Ruin of old zamindars
- Rise of new Landlordism
- Deterioration of Agriculture
- Development of modern industries
- Rise of new social class in India
- Poverty and Famines

### (13) Nationalist Movement (1858-1905)

- Factors responsible for Rise of Nationalism
- Predecessors of Indian National Congress
- Indian National Congress
- Constitutional Reforms by Moderates
- Economic Reforms by Moderates
- Administrative and other reforms by Moderates
- Defence of Civil rights
- Method of Constitutional agitation of Moderates
- British Repsonse
- Evaluation of role of moderates

### (14) Social and Religious Reform after 1858

- Factors responsible for Religious reform of 19<sup>th</sup> Century
- Religious reforms in Maharashtra
- Swami Dayanand and Arya Samaj
- Aligarh School of Thought
- Reform among Parsis
- Limitations of religious reform movement
- Movement to Improve position of Women
- Struggle Against Caste

- Effect of National Awakening on social reforms
- Social legislations in the 19<sup>th</sup> and 20<sup>th</sup> century

### (15) Nationalist Movement (1905-1918)

- Growth of militant Nationalism
- How militant nationalists different from moderates
- Swadeshi and Boycott Movement and participation from different sections
- Women Participation before Gandhi
- Growth of Revolutionary Terrorism
- Indian National Congress between 1905-1914
- Morley Minto Reforms
- Muslim league and growth of communalism
- British used Muslim league to fight rising nationalism
- Nationalist and World War I
- Home rule league movement
- Revolutionary Organization like Ghadar Party
- Lucknow session of 1916

### (16) Struggle for Swaraj

- Post world war scenario favorable for Nationalism
- Impact of Russian Revolution on National Movement
- Montague Chelmsford reforms
- Rowlatt Act
- Arrival of Mahatma Gandhi and his ideas
- Champaran Satyagraha, Ahmedabad Mill strike
- Satyagraha against Rowlatt Act
- Jallianwala Bagh Massacre
- Khilafat movement and Non cooperation movement
- Impact of Chauri Chaura Incident
- Role of Swarajists
- State peoples conference movements
- Rise of Socialism within congress
- Peasant, Tribal and workers agitation
- Socialist turn to Revolutionary terrorism
- Response of British to revolutionary terrorism
- Boycott of Simon Commission
- Nehru Report
- Significance of PoornaSwaraj Resolution
- Dandi March
- Programme of CDM (1930-34) and British response
- First Round table conference
- Gandhi-Irwin pact and second RTC

- Second phase of CDM
- Women Participation after coming of Mahatma Gandhi
- Communal Award
- Poona pact and Mahatma Gandhi fast unto death
- Mahatma Gandhi and BR Ambedkar approach to caste and untouchability
- Third RTC

### (17) Nationalist Politics (1935-1939)

- Government of India Act, 1935
- Formation of Congress Ministries
- Growth of Socialist Ideas
- Congress and International Affairs

### (18) Towards Independence

- National Movement in Princely States
- Growth of Communalism
- National movement and World War II
- August Offer , 1940
- Individual civil disobedience movement (1940-41)
- Cripps Mission and Reasons for Failure
- Quit India Movement and British Response
- Women participation in end stages of freedom struggle
- Azad Hind Fauj and SC Bose
- INA trials
- Wavell Plan and Shimla Conference
- 1945-46 elections and the communal divide
- RIN (Royal Indian Navy Mutiny)
- Labour and peasant Unrest all over Country
- Reasons Behind British Support for India's demand for freedom
- Cabinet Mission
- Towards Partition and independence
- Rise of Muslim communalism and partition of India
- The Indian independence Act July, 1947
- Role of Various Leaders
- Factors leading to Partition
- Why congress accepted partition of India

## INDIAN CULTURE

### UPSC Syllabus

- Indian culture will cover the salient aspects of Art Forms, Literature and Architecture from ancient to modern times.

### Sub-Topic Listing

#### (1) Culture and Heritage of India

- Aims and objectives of performing arts and their development through various stages.
- Utility of performing arts during the ancient and the medieval period.
- Appreciate the contribution of classical dances, folk music as well as folk dances in Indian culture and Challenges faced by performing Arts
- Development of drama through various phases in India and recognize the contribution of folk theatre
- Examine the importance of the three art forms in the development of human personality.
- Religious and secular Art in India

#### (2) Music

- Evolution of Indian Music
- Contribution of Some personalities : Amir Khusro, Mohammad Shah
- Hindustani Music evolution, features and impact
- Carnatic Music evolution, features and impact
- Hindustani and Carnatic music differences and similarities
- Regional music and its impact
- Modern Music

#### (3) Dance

- Tracing Evolution of Dance (Rig Veda, Harappa, Nataraja)
- Classical Dances of India, their evolution and Theme
- Well known Classical dancers of India.
- Themes in Indian folk dances

#### (4) Drama

- Introduction (Natyashastra)
- Evolution of Drama in India
- Various texts relating to Drama period wise (ex Mahabhasya, mrichhakatika)
- Famous Modern Dramas and Dramatists.

#### (5) Languages & Literature

- Vedic Literature
- Tamil language and Sangam Literature
- Classical languages : Evolution & impact on society
- Trends in Medieval Literature
- Modern Indian Literature

#### (6) Architecture in India

- Architectural Style of Harappan Civilisation
- Influence of Buddhism and Jainism on Indian architecture
  - Stupas, Chaityas and Viharas
- Impact of Persian and Greek invasion on Indian culture
- Mauryan Architecture (322-182 BC)
- Post Mauryan Architecture
- Gandhara and Mathura school of Art
- Cultural development during Gupta Age
- Temple Architecture and Sculptures
  - Nagara and Dravida Styles
  - Early Temples
  - Rock Cut temples
  - Monolithic Temples
  - Free Standing Temples
- Pallavas as great temple builders
- Emergence of Nalanda as centre of learning
- Medieval Period architecture
  - Delhi Sultanate
  - Regional Kingdoms (Mandu, Jaunpuretc)
  - Vijaynagara Architecture
  - Mughal Architecture
- Evolution of temple construction in India
- Indo Islamic Architecture
- Colonial Architecture
- Utility of Architectural structures today and in Past
- Conservation and Preservation of Architectural Structures
- Spread of Indian Culture to Southeast Asia

#### (7) Bronze Sculptures in India

- Harappan "Dancing Girl"



- Jain Tirthankaras Bronze Images
- Buddha bronze Images (ex Guptas and Vakatakas)
- Pala school of Art ( Bronze images, Manuscripts)
- Pallava Bronze Images
- Chola Bronzes
- Nataraja

## (8) Paintings in India

- Prehistoric Rock Paintings
- Ancient Period
  - Murals Paintings
  - Bagh Caves
  - Sittanavasal Paintings
  - Armamalai caves
- Medieval Period
  - Pala school of miniature paintings
  - Mughal miniature paintings (synthesis of Indian and Persian style)
  - Role of Akbar and his successors
  - Development of Pahari, Rajput and Deccan Paintings
  - Theme of paintings in Medieval period
- Modern Period
  - Bengal school of Art
  - Renaissance or revivalist painting
  - Madras School of Art
- Decorative Art
  - Madhubani
  - Kalamkari
  - Kalighat
  - Warli
  - Pattachitra
  - Theme of decorative paintings in India
- Theatre Forms of India
  - Significance of Traditional folk theatre in India
  - Different forms of traditional folk theatre in India
  - Sanskrit theatre in India
  - Challenges faced by theatre in India
- Puppet forms in India
  - Themes of puppetry in India
  - Forms of Puppetry
- Religious Philosophies
  - Buddhism and its impact
  - Jainism and its impact
  - Sufism and its impact
  - Vedanta Philosophy
  - Bhakti Traditions

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# TEST: 4

## INDIAN ECONOMY

19 DECEMBER, 2021

### UPSC Syllabus

- Indian Economy and issues relating to planning, growth, development and unemployment
- Mobilization of resources
- Government Budgeting.
- Investment models.
- Financial and Money Market
- Inflation
- Direct and Indirect taxes
- Inclusive growth & issues arising from it.

### Sub-Topic Listing

#### (1) Indian Economy and issues relating to Planning

- Role and objectives of Indian Planning
- Planning Experience at the Centre and State level.
- Regulatory Role of the State
- Development Strategy in India's Five Year Plan
- Mahalanobis' Four-Sector Growth Model and Employment Generation
- Tackling the Problems of Poverty and Unemployment
- Vital Role of the Public Sector
- Analysis of India's Economic Performance in Development Planning
- Trends in Saving and Capital Formation since Independence
- Role of NITI Aayog in Cooperative federalism

#### (2) Resource Mobilization

- Types of Resources: Physical and Financial
- Need for Resource Mobilization- Police State and Democratic Welfare State policies
- Sources of Resource Mobilization: Public Sector and Private Sector
- Taxation and Mobilization of Resources for Economic Growth
  - Direct Taxes and Mobilisation of Resources
  - Agricultural Taxation & Resource Mobilisation
  - Role of Indirect Taxes in Resource Mobilisation
- Mobilization of financial resources through Government Revenues
- 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
- Multi-lateral agencies and resource mobilization
- Challenges to Resource Mobilization

#### (3) Inclusive Growth and issues arising from it

- Meaning and concept of Inclusion
- India's experience of Inclusion
- Why India's growth is not inclusive?: Rural economy based growth, Need of Sustainable agriculture, food security and resilience for growth
- What are the solutions?
- Inclusion process through Social sector flagship schemes and Ground realities
- Public distribution schemes: Can it be the 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, Gender Budgeting
- Benefits of budgeting
- Flaws in budgeting process
- Merger of Railway and General Budget
- Budget analysis

### (5) Investment models

- Measures of Investment
- Factors affecting investment
- Classification of Investments : FDI
- Angel Investors and Start-ups
- Investment Models
- Role of State
- PPP (Public-Private Partnership)
- Savings and Investment Trends

### (6) Fiscal policy

- Fiscal Concept and Fiscal Policy in India
- Government Revenues & Spending Trends
- Impact of deficits on economic growth
- Twin Balance Sheet syndrome

### (7) Taxation

- Objectives and Principles of Taxation
- Taxation for Mobilization of Resources
- Taxation System in India
- Tax Reforms
- GST and its impact on different sectors
- Subsidies and its Impact

### (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 and Capital Market in India
- Regulatory Framework in Indian Capital Market
- Primary Market Reforms in India
- Secondary Market Reforms in India

### (10) Banking

- Indian Banking System
- Terminologies/Concepts Related to Banking in India

- Nationalization of Banks in India
- Functions of Commercial Banks
- Challenges Faced by Commercial Banks in India
- Banking Reforms in India
- New Bank License Criteria
- Small Finance Banks and Payment Banks Criteria
- Non-Banking Financial Company (NBFC)
- Financial Inclusion
- Issue of NPAs
- Bills related to Banking

### (11) Foreign trade & International Organizations

- Trends in International Trade
- Foreign Trade Policy
- Balance of Payments and Foreign Capital
- Impact of Globalization on Indian Economy
- International Monetary Fund (IMF)
- World Trade Organisation (WTO)
- World Bank Group
- AIIB and NDB

### (12) 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 since independence

### (13) Main features of Industrial development in India

- Roles of private sector and public sector, Investment in the industrial sector, employment, productivity, profit etc.
- Strategies for disinvestment and privatization
- Role of Small, Medium and Micro enterprises, Government Policy, main problems, effects of globalization
- New Manufacturing Policy
- Industrial disbursal and Industrial corridors
- SEZs- Main issues like land use, relocation of same industries that exist, exports earnings vs loss of tax income
- Industrial sickness, institutional mechanism to support the sick industries, exit policy issues
- Main constraints in the industrial development of India

- Effects of globalization on industries, Sub-prime crisis and sovereign debt crisis on Industry in India
- Industrial Finance in India: Role of development banking, commercial banking, venture capital, angel capital in industrialization and promotion of entrepreneurship
- Make in India achievements

## CONTEMPORARY ISSUES

### (1) Budget & Taxation

- Low Tax to GDP Ratio: Reasons and Suggestions
- Public Debt Management Cell
- IBBI and Insolvency Rules
- Ponzi Scheme and Issues
- Fat tax: Concept Analysis
- Concept of Municipal Bonds
- Lower Taxes, Higher Compliance: Implication on Economy
- How Shell Companies are used in Black Money?
- Offshore Investments in Tax Havens
- Concept of Google Tax and its Implications
- Sunset Clause and its Significance in Policies
- Government Rule on Capital Gains Tax
- Credit Rating Agencies and their Implications
- Fugitive Economic Offenders Bill

### (2) Banking & Finance

- Concept of Wilfull Defaulter
- Concept of Shadow Banking
- Non Performing Assets
- Marginal Cost of Funds based Lending Rate
- Unified Payment Interface
- India Post Payments Bank
- Differentiated Bank Licenses
- Digital Payments Scenario
- Monetary Policy Committee
- Report of Working Group on Development of Corporate Bond Market in India
- IL & FS issue and Corporate Governance in India
- SEBI reforms on Corporate Governance – Uday Kotak Committee
- SEBI and Commodity markets in India
- Concept of Crypto-Currencies
- Crypto Currencies Come Under SEBI Lens
- Corporate Governance: Role of SEBI
- Peer to Peer Lending Firms
- Bank Recapitalization Program

- Lessons on NPA from Global Banks
- Need of Regulatory Regime for Alternative Investment Fund
- Name and Shame Willful Defaulters

### (3) Schemes & Policies

- Sustainable Development Goals
- Ease of Doing Business
- Critical Analysis of PM Crop Insurance Scheme
- Bhavantar Bhugtan Yojana
- Operation Greens
- Critical Analysis of Banks Board Bureau
- Critical Analysis of Draft Energy Policy
- Critical Analysis of Stand up India Scheme
- New PPP Policy
- Sagarmala Project
- Critical Analysis of Bharatmala Project
- GST ANALYSIS
- How GST has Affected Small Business

### (4) External Sector

- FDI Status and Issues in India
- Permanent Residency Status for Foreign Investors
- WTO Reforms and India's Stance
- Dispute Settlement Mechanism at WTO
- Gist of Foreign Trade Policy (FTP) 2015-2020
- Reforms in IMF Quota
- Rising New Form of Protectionism
- BIT Dispute Management Strategy
- Broad Based Trade and Investment Agreement (India-EU FTA Talks)
- Nachiket Mor Committee
- P J Nayak Committee
- Vijay Kelkar Committee on PPP Reforms
- Parthasarathi Shome Committee on GAAR
- Urjit Patel Committee Report on Monetary Policy
- Mahapatra Committee (NBFC Loan Restructuring)
- Usha Thorat Committee (2012)

- Bibek Debroy Committee (Railways)
- N K Singh Panel Report on FRBM Act
- Shanta Kumar Committee
- Watal Committee on Digital Payments
- HR Khan Committee on Foreign Portfolio Investment
- Strategic Partnership Policy to Boost Defence Manufacturing: Dharendra Singh Committee

## (5) Miscellaneous

- 'RBI gives retail investors direct access to Government 'Gilt bonds''
- 'Pulses for Food Security and Sustainable Future'
- 2021 Census to go digital'
- 'Green Tax'
- 'Off-Budget Borrowing'
- 'Quantitative Easing variants in Emerging Markets'
- 'Taxing Virtual Currencies'
- 'Central bank digital currencies (CBDCs)'
- 'K shaped Recovery''
- 'US puts India back on Currency Manipulation Watchlist'
- 'Agriculture Cost of Production'
- 'Submarine Optical Fibre Cable connectivity between Kochi and Lakshadweep Islands'
- 'One District One Product: A potential gamechanger for Northeast economies'
- 'Is transparent taxation the panacea for tax terrorism?'
- 'Potholes on the digital payment superhighway'

## (6) Industry & Labour

- Draft National Food Processing Policy Released
- Initiatives for Fund for Start-Ups
- Companies Need to Look Beyond CSR
- Initiatives to Support MSME Sector
- Model Shop & Establishment Bill, 2016
- National Capital Goods Policy 2016 unveiled
- H-1B Visa Rule Change & Its Impact on IT Sector
- Unemployment Survey
- Draft Social Security Code
- Analysis of Competition Commission of India
- Exit Issues and Insolvency Resolution Process

- Government Limitations in Job Creation
- The Code on Wages, 2017
- Amendments in Bankruptcy Code
- Contract Worker: Issues and Steps Needed
- Feminization of Agriculture
- Challenges and opportunities of fourth Industrial Revolution
- Why Manufacturing Sector is not able to Generate Jobs?
- Inequality between Large Business Houses & Smaller Businesses
- How Labour Regulations Affect Manufacturing?

## (7) Agriculture

- Niti Aayog Launches Agricultural Marketing & Farm Friendly Reforms Index
- Defects in Procurement Policy
- Reforming Trade in Agriculture Products
- Draft Model APMC Act, 2016
- NITI Aayog Report on Agriculture
- Agriculture Export Policy, 2018
- Farm Policies: One-Size-Fits-All do not Work
- Lab to Land: How to Improve
- Agriculture Price Policy in India

## (8) Infrastructure

- Inland Waterways in India
- Aviation Sector & Regional Connectivity Scheme: Udan
- Air Service Agreement
- Airline Sector: Downtime and the Turnaround
- Privatization of Air India: Critical Analysis
- Help
- Multi-Modal Transport System
- Bharatmala Pariyojana : Revolution In Indian National Highways
- Privatization of Railways
- Transformation in Indian Railways
- Connecting North East
- Optimising Thermal Power in India
- Reliable and Affordable Energy
- Mineral Auction Rules, 2015

## (9) Miscellaneous

- 'Global Hunger Index 2020'
- 'World Risk Index (WRI) 2020'
- 'IEA and NITI Aayog launch Special Report on Sustainable Recovery Post Covid-19'
- 'Demand on rise for doubling of financial grant and work days under NREGA'
- 'Growth in agriculture is not remunerative to



## Indian farmers'

- 'Why India needs bold economic reforms?'
- 'RBI announces Open Market Operation '
- 'Proposition 22, the future of the gig economy'
- 'The concept of Precision farming in India'
- 'Transparent Taxation'
- 'RBI announces economic measures to counter the coronavirus impact on economy'
- 'RBI to brought startups under Priority Sector Lending (PSL)'
- Divestment of 23 PSUs
- 'At least 23 million migrants are returning to India's villages. Can the rural economy keep up?'
- 'Plan to privatise the railways'
- 'COVID-19 to impact SDGs'
- 'PM Formalization of Micro Food Processing Enterprises (PM FME)'
- 'Travel Bubble'
- 'Operation Twist'
- 'Migration crisis'
- 'MSP for MFP Scheme'
- 'Fiscal Responsibility and Budget Management (FRBM) Act'
- 'Recapitalization of Regional Rural Banks (RRBs)'
- 'Reviving the Indian Economy post COVID-19'

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# TEST: 5

## ETHICS-1

### ETHICS & HUMAN INTERFACE

26 DECEMBER, 2021

#### UPSC Syllabus

- Ethics and Human Interface: Essence, determinants and consequences of Ethics in human actions; dimensions of ethics; ethics in private and public relationships
- Human Values - lessons from the lives and teachings of great leaders, reformers and administrators; role of family, society and educational institutions in inculcating values
- Attitude: content, structure, function; its influence and relation with thought and behaviour; moral and political attitudes; social influence and persuasion
- Contributions of moral thinkers and philosophers from India and world

#### Sub-Topic Listing

##### (1) Ethics: Basic Introduction

- Dimensions and Essence of Ethics
- Approaches of Ethical Study: Indian Perspective and Western Perspective
- Basic concepts: 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 Values & Socialization
- Individual Personality and Values
- Values and Skill
- Fundamental and Instrumental Values
- Democratic values
- Role of Ethical values in governance and society
- Significance of values 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
- Civil Services Accountability
- Neutrality, Anonymity, Integrity, Humility, Adaptability, Magnanimity, Perseverance
- Impartiality and Non-Partisanship
- Tolerance and compassion for the Weaker section
- Contribution to society by Civil Services

##### (4) India & World Thinkers

###### ■ Indian Thinkers

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

- Aruna Roy
- T N Seshan
- E Sreedharan

#### ■ Administrative Thinkers

- Max Weber
- Elton Mayo
- Peter Drucker
- Chester Barnard
- Mary Parker Follet

#### ■ World Thinkers

- Plato
- Aristotle
- Socrates
- Jeremy Bentham
- J.S. Mill
- Thomas Hobbes
- John Locke
- Jean Jacques Rousseau
- John Rawls
- Immanuel Kant
- Carol Gilligan
- Jean Paul Sartre
- Georg Wilhelm Friedrich Hegel
- Confucius
- Rene 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 Vivekananda
- 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, Cognitive , Behavioral component
- Functions of Attitude: Adjustive, Ego-Defensive, Value-Expressive , Knowledge Function
- Attitude Formation Model
- Impact of Beliefs and Values on Attitude
- Group Influences
- Social Influence
- Persuasion Tactics and Tools of Persuasion
- Moral Attitude formation
- Political Attitude formation

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## **TEST: 6 - ESSAY-1**

**02 JANUARY, 2022**

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## TEST: 7 - ETHICS -2

### (ETHICS & GOVERNANCE)

16 JANUARY, 2022

#### Sub-Topic Listing

##### (1) 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

##### (2) 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

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## **TEST: 8 - ESSAY-2**

**30 JANUARY, 2022**

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**TEST: 9****GEOGRAPHY  
& DISASTER  
MANAGEMENT****13 FEBRUARY, 2022****UPSC Syllabus**

- Salient features of world's physical geography
- 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.

**Sub-Topic Listing****PHYSICAL GEOGRAPHY (WORLD)****(1) General Geography****■ Universe**

- Theories of development of Universe
- Star Formation
- Formation of planets

**■ Earth Evolution& Basics**

- Evolution of Earth
- Evolution of Atmosphere
- Evolution of Hydrosphere
- Earth's Geological time scale
- Origin of life
- The Earth's Movements-Revolution and Rotation and Seasons
- Inclination of the Earth's Axis and its effects

**(2) Geomorphology****■ Earth's Interior**

- Sources of Information about the Interior (Direct Sources, Indirect Sources - Earth Quake Wave, Volcanoes)
- Structure of the Earth's Interior
  - Mechanical and Chemical categorization of internal structure

**■ Geology and Rock System**

- Minerals
- Major Elements of the Earth's Crust
  - Physical Characteristics
  - Classification -

**➤ Rocks ( Aggregate of Minerals )**

- Classification
  - ◆ Igneous
  - ◆ Sedimentary
  - ◆ Metamorphic

**➤ Rocks & landforms****➤ Rocks & Soils****■ Geomorphic Processes****➤ Endogenic Forces**

- Diastrophism
  - ◆ Orogenic
  - ◆ Epierogenic
  - ◆ Earthquakes
  - ◆ Plate movements
- Volcanism

**➤ Exogenic Forces**

- Denudation Processes
  - ◆ Weathering & its Significance
  - ◆ Mass movements& their impact
  - ◆ Erosion Transportation & Deposition

**■ Earthquakes and Volcanism**

- Earthquakes: Reasons, Distribution & impact
- Volcanism
  - Types and distribution of Volcanoes
  - Volcanic Landforms (intrusive)

**■ Distribution of Continents & Oceans**

- Theories
  - Continental Drift Theory

- Convectional Current Theory
  - Mapping of the Ocean Floor
  - Sea Floor Spreading
  - Plate Tectonics
- Isostasy
- **Landforms and their evolution**
  - Causes of landform development
    - Geomorphic Processes
    - Geomorphic Agents
  - Geomorphic Agents and Landforms
    - Running Water
      - ◆ Development of a river System
      - ◆ Erosional Landforms
      - ◆ Depositional Landforms
  - Ground Water (Karst Topography)
    - Erosional Landforms
    - Depositional landforms
  - Glaciers
    - Erosional Landforms
    - Depositional Landforms
  - Waves and Currents
  - Winds
    - Erosional Landforms
    - Depositional Landforms
- **Landforms across the world**
  - Rivers and lakes
  - Mountain and Peaks
  - Plateaus

### (3) Oceanography

- **Hydrosphere**
  - Water on the Surface of the Earth
  - Hydrological Cycle
- **Submarine Relief Features**
  - Relief of the Ocean floor
  - Divisions of the ocean floor
  - Minor relief features
- **Temperature and Salinity**
  - Temperature of the Ocean Water
    - Factors affecting Temperature distribution
    - Horizontal and Vertical Distribution
  - Salinity of the Ocean Water
    - Factors affecting salinity
    - Horizontal distribution of salinity
    - Vertical Distribution of salinity
  - Density of Ocean Waters

#### ■ **Movements of Ocean Water**

- Factors influencing Movement
- Waves
  - Motion of waves
  - Characteristics of wave
- Tides
  - Types of Tides
  - Importance of Tides
- Ocean Currents
  - Characteristics of Ocean Currents
  - Types of ocean currents:
  - Major Ocean currents of the World
  - Effects of Ocean Currents

#### ■ **Marine Resources**

- Surface water resources
- Ground water resources
- Inland water resources
- Oceanic Water Resources (Marine Resource)
- Utilization of oceans by man
- Water consumption patterns
- Water Conservation and Management (Techniques)

#### ■ **Ocean Deposits and Corals**

- Terrigenous Deposits
- Volcanic Deposits
- Biotic deposits
- Abiotic Deposits
- Coral Reefs
  - Probable origin of Coral Reef
  - Types and significance of Coral Reef
  - Issue of Coral Bleaching

### (4) Climatology

#### ■ **Atmosphere**

- Composition of the Atmosphere
- Structure of the Atmosphere

#### ■ **Solar Radiation, Heat Balance and Temperature**

- Solar Radiation and Isolation
- Heating and cooling of atmosphere
- Terrestrial Radiation
- Heat Budget of the Planet Earth
- Temperature
- Factors Controlling Temperature Distribution
- Distribution 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
- General Circulation of the Atmosphere – Pattern of Planetary Winds
- Latitudinal Variation of Atmospheric Heating
- Emergence of Pressure Belts
- Hadley Cell, Ferrel Cell, Polar Cell
- Seasonal Wind
- Local Wind
- Land and Sea Breezes
- Mountain and Valley Winds
- Air Mass, Fronts, Cyclones and Jet Stream
  - Air mass & fronts
  - Cyclones
  - Thunderstorms
  - Tornadoes

### ■ Water in the Atmosphere

- Water Vapour
- Humidity – Absolute and Relative
- Saturation – Dew Point
- Evaporation and Condensation
  - Dew
  - Frost
  - Fog & Mist
  - Clouds
- Precipitation
  - Rainfall
  - Snowfall
  - Sleet Hail
  - Hailstones
  - Types of Rainfall
  - World Distribution of Rainfall

### ■ Climatic Zones of the World

- World Climate
- Koeppen's Scheme of Classification of Climate
- Climatic Zones of World

## (5) Bio-Geography

### ■ Soil & its Characteristics

- Soil Characteristics
- Factors Responsible for Soil Formation
- Process of Soil Formation

- Soil Profiles and Horizons
- Classification of Soil
- Soil Degradation, Erosion and Conservation

### ■ Vegetation resources

- Types of natural vegetation
- Forests
  - Significance of forests
  - Factors of forest development
  - Classification of forests
  - forest cover
- Grasslands
- Desert vegetation
- Tundra Vegetation
- Deforestation
- Conservation of forests
- Reforestation
- Afforestation
- Forestry
  - Social forestry
  - Agro-forestry
  - Farm Forestry
  - Community Forestry

## (6) Physical Geography of India

### ■ Physiography of India

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

### ■ Drainage System

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

### ■ Climate

- Factors influencing the climate of India

- Monsoon
- Mechanism of the Monsoon
  - Classical Theory
  - Modern theory
  - Air mass theory
  - Jet stream theory
- ELNINO and LANINA & their impact
- The rhythm of Seasons
  - The cold weather season
  - The hot weather season
  - The southwest monsoon season
  - The retreating monsoon season
- Climatic Regions of India
- **Soils in India**
  - Classification of Soils

- Soil textures
- Issue of Soil degradation & Soil Erosion
- Soil Conservation
- **Natural Vegetation**
  - Types of Forests in India
  - Forest Cover in India
  - Forest Conservation
  - Forest Problems in India

## (7) Environmental Issues

- Floods and Droughts
- Forest fires
- Deforestation
- Desertification
- Pollution
- Climate Change and Global Warming

# ECONOMIC GEOGRAPHY

## (1) Basics of Economic Geography

- **Definition, Development and scope of Economic Geography**
- **Type of Economic Activities**
  - Primary Activities
  - Secondary Activities
  - Tertiary, Quaternary and Quinary Activities
- **Recent Themes and Concepts in Economic Geography**
  - Agglomeration Economies
  - Neo-liberalism
  - Rise of macro regional Economic block
  - Ethnicity in Economic Geography
  - Concept of digital divide

## (2) Resource

- **Land Resource**
  - Land-use Pattern and changes
  - Problems of Land Resources:
    - Land Degradation: Causes and Impact
    - Concept of Land Degradation Neutrality
  - Land Use Planning and Policy
- **Water Resources**
  - Extent of Water Resources
  - Water Resource Potential of India
  - Utilization and related problems (Pollution)
  - Inter- state water disputes in India

- Water management, conservation and Development
- National Water Policy

### ■ Mineral Resources

- Types of Mineral Resources
- Distribution Pattern of Minerals in World
- Major Mineral Belts of India
- Problems related to mining
- Conservation of Mineral Resources
- National Mineral Policy, 2019

### ■ Energy resources

- Classification of Energy Resources
- Distribution and production trend of major energy Resources
  - Coal
  - Petroleum
  - Natural gas
- Strategic Oil Reserves
- Exploration of Coal Bed Methane
- Non-Conventional Energy Resources
  - Solar Energy
  - Wind Energy
  - Geothermal
- Nuclear Energy Resources: Challenges and prospects in India

### ■ Recent Debates on Resources

- Geopolitics of Natural Resources



- Globalisation and unsustainable exploitation of natural resources
- Depletion of natural resources versus Economic Growth
- Changing Pattern of Land Use and Causes
- Water Crisis: Causes, Conflicts and Resolution
- Energy Crisis
- Challenges and constraints faced by coal sector
- Challenges in Hydropower sector
- Renewable Energy: way toward sustainability
- Energy Security: Energy Policy and strategy in India

### (3) Agriculture

#### ■ Agriculture Basic Terminologies

- Cropping pattern
- Agriculture Productivity
- Agriculture Intensity
- Land capability

#### ■ Location of agriculture

#### ■ World Agriculture Typologies

#### ■ Salient features of Indian Agriculture

#### ■ Problems of Indian Agriculture

#### ■ Factor Affecting Agriculture

- Geographical factors
- Institutional factors
- Technological factors

#### ■ Major Crops and conditions for growth

#### ■ Regionalization of Agriculture

#### ■ Various Revolutions in Agriculture Sector

- Green Revolution
  - Impact of Green Revolution
  - Evergreen Revolution
- White Revolution
- Operation Flood
- Blue Revolution

#### ■ Agricultural Policies and Initiatives

- Minimum Support Price: Benefits and Challenges
- Agriculture Market Produce Committees: Issues
- National Agriculture Market (NAM)
- Agricultural Produce and Livestock Marketing (Promotion and Facilitating) Act (APLM), 2017
- National Livestock Mission
- National Programme for Bovine Breeding and Dairy Development (NPBBD)
- Rashtriya Gokul Mission

- Agriculture Export Policy, 2018
- Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)
- Pradhan Mantri Annadataaay Sanrakshan Abhiyan (Pm-Aasha)
- Operation Greens
- Dairy Processing & Infrastructure Development Fund (DIDF)
- Fisheries and Aquaculture Infrastructure Development Fund (FIDF).
- Agriculture Census

#### ■ Food Security

- Nature of Food Insecurity: Duration, Severity and types
- Trend and Pattern in Food Insecurity
- Causes and Geography of famine
- Key Dimension of food security
- Efforts and Remedies to ensure food security

#### ■ Agricultural in Discussion

- Controversy over GM Crops: Benefits and Issues
- Impact of climate Change on Agriculture
- Evergreen Green Revolution for Sustainable Livelihood
- Rainbow Revolution
- Blue Revolution: Impact on Rural Economy
- Climate Smart Agriculture
- Need of Agriculture Diversification
- Mixed farming: Hedging Agriculture Risks
- Problems and Prospects of dry-zone agriculture
- Plantation Agriculture: Issues involved
- Challenges of increasing Agriculture Productivity and Production
- New 'White Revolution': Need, Scope and Challenges
- Contract Farming: Benefits and Challenges
- Role of infrastructural and institutional factors in the recent transformation of Indian agriculture
- Impact of advanced agricultural technologies on the Environment
- Soil Health Card scheme and rationalisation of fertilizer subsidies
- Food Security: India's Vulnerability and way-out

### (4) Industry

#### ■ Classification of Industries



### ■ Factors affecting location of Industries

- Weber's Model of Industrial Location
- Losch theory of Profit Maximization

### ■ Various Industries: Location, Prospects and Challenges

- Iron and Steel Industry
- Textile Industry
- Jute Industry
- Auto Mobile Industry
- Fertilizer Industry
- Agro-based Industries
- Other Industries

### ■ Industrial Regions and its Characteristics

### ■ Major Industrial Regions of the World

### ■ Industrial Regions of India

### ■ Industrial Policies and Development

- A Scheme for Promotion of Innovation, Rural Industry and Entrepreneurship (ASPIRE)
- Scheme of Fund for Regeneration of Traditional Industries (SFURTI)
- Stand Up India
- Fourth Industrial Revolution
- Role of Industrial development in minimizing regional inequalities
- Problems of Industrial regions
- Factors behind the growth and present location pattern of automobile industry in India
- Pharmaceutical industry: Locational pattern and reasons
- Sugar industry: Problems and challenges of current pattern
- Food Processing Industry: Untapped Potential
- Agro based Industries: Problems and Prospects
- Impact of agro-based industries on cropping pattern
- Tourism: Prospects and Impact on Environment

## (5) Transport and Communication

### ■ Land Transport

- Roads
  - Classification of roads
  - National Highway Grid
  - Problems and Prospects
  - Bharatmala Pariyojana

### ➤ Railways

- Significance and Problems of Indian Railways
- Dedicated Freight Corridors
- Privatisation of Railways

### ➤ Pipelines

- Significance, Distribution and Challenges

### ■ Water Transport

#### ➤ Inland: National Waterways

- Factors affecting Inland waterways
- Significance and Challenges
- Jal Marg Vikas Project

#### ➤ Seaways and Oceanic Route

- Shipping
- Major Ports of World and India
- Challenges in Port Development
- Sagarmala Project

### ■ Air Transport

#### ➤ National Airways

- National Civil Aviation Policy
- Regional Connectivity Scheme (UDAN)
- International Airways

### ■ Communications

- Communication Infrastructure
- National telecom Policy

### ■ Major Issues in Transport and Communication

- Role of Transport in Regional Development
- Need for holistic transport planning to improve the city's mobility
- Carbon footprint of the transport sector
- Road Transport: Investment Challenges
- Inland Waterways: Development challenges and projects
- Ports: Inclusive centres of economic development
- Problem of Port Development
- Analysis of Sagarmala Project
- Environmental issues of maritime shipping
- Role of Transport in Regional Development
- Eco Tourism: Way toward Responsible Tourism

## (6) Trade

### ■ World Trade Pattern

- Major Oceanic Trade Routes

### ■ Basis of Overseas Trade

### ■ Types of International Trade

- Bilateral Trade

- Multilateral Trade
- **Various Organisation Related to International Trade**
- **Regional Trade Blocks**
- **Foreign Trade: India**
  - Trends in India's Foreign Trade
  - Composition Indian Trade
  - Direction of India's Foreign Trade

## ■ Trade Pattern and Policies

- Changing Pattern of India's foreign trade
- Challenges and prospects of foreign trade of India
- Impact of trade liberalisation on the geographical distribution of industries
- Neo-liberal reforms in Africa: Race of India and China

# HUMAN GEOGRAPHY

## (1) Demography and Census World & India

- Concept of human resources
- Factors affecting the distribution of Population
- Population growth
  - Theories of Population Growth
    - Malthusian Theory
    - Marxian Theory
    - Demographic transition theory
    - Optimum Population Theory
  - Size, growth rate and distribution of population
  - Components of Population growth
- Demographic Dividend
  - Demographic Window of Opportunity
- Components of Population change
  - Birth Rate
  - Death Rate (Mortality Rate)
  - Migration
    - Factors responsible for migration
    - Type of Migration
    - Issues related to migration
    - Migration pattern in world and India
    - World Migration Report, 2018
- Population Composition
  - Age Sex Pyramids & their significance
  - Trends and Pattern in Sex Ratio
  - Initiatives to improve Sex ratio
  - Trends and Patterns in Literacy
  - Government's Efforts
- Fertility Rate
- Impact of Population Change
- Population Policies
  - Need for revision of National Population Policy
- Population problems

- Global Nutrition Report, 2018
- Global Hunger Index

## (2) Settlements and Urbanization

- Rural Settlements
  - Classification of Rural Settlements
  - Function of Rural Settlements
  - Patterns of Rural Settlements
  - Changing Pattern of Rural Settlements
- Urban Settlements
  - Origin of Urban Settlements- Functional Classification of Towns
- Urbanization
  - Indian Mega Cities
  - Central Place Theory
  - Primate City
  - Morphology of Indian Cities
  - Conurbations
  - Urban Slums
  - Rural Urban Fringe
  - Rural Urban Continuum
- Issues related to Urbanization in India
  - Habitat – III Conference
- Schemes
  - Pradhan Mantri Awas Yojana or Housing for All Scheme
  - Smart City Initiative
  - AMRUT (Atal Mission for Rejuvenation and Urban Transformation)
  - HRIDAY (Heritage City Development and Augmentation Yojana)

## (3) Regional Planning and Development

- Concept of Region
- Types of Regions
- Issues of Regional Imbalances

- Strategies for Regional Development

#### (4) Human Development

- Growth v/s Development
- Approaches to Human Development
- Human Development Index
- International comparisons of Human Development
  - World Development Report, 2019
  - Human Development Report

## DISASTER MANAGEMENT

### DISASTER MANAGEMENT

- Disaster Resilient Infrastructure in India (Policies and Guidelines)
- National Disaster Response Force
- National Disaster Risk Index
- Regional Integrated Multi-Hazard Early Warning System (RIMES) for Asia and Africa
- Fire Disaster Management
- Landslide Warning System
- Indian Tsunami Early Warning System

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## TEST: 10

# AGRICULTURE + ENVIRONMENT

27 FEBRUARY, 2022

## ENVIRONMENT

### (1) ENVIRONMENT AND ECOLOGY: BASIC UNDERSTANDING

- Introduction
- Categories of Environment
- Features of Environment
- Components of Environment
- Ecology

### (2) ECOSYSTEM AND ITS DYNAMICS

- Ecosystem Definitions
- Properties of Ecosystem
- Components of Ecosystem
  - Abiotic Factors
  - Biotic Factors
- Ecosystem Dynamics

### (3) BIOGEOCHEMICAL CYCLES

- Gaseous Cycle
  - Carbon Cycle
- Human Impact on the Carbon Cycle
- Effects of High Concentration of Greenhouse Gases
  - Hydrological Cycle
  - Nitrogen Cycle
  - Human Impact on the Nitrogen Cycle
  - Oxygen Cycle
- Sedimentary Cycle
  - Sulphur Cycle
- Human Impact on the Sulphur Cycle
  - Phosphorus Cycle

### (4) TYPES OF ECOSYSTEMS

- Terrestrial Ecosystem
- Aquatic Ecosystem
- Changes in Ecosystem

- Ecosystem Conservation
- Ecology vs. Economy

### (5) POPULATION ECOLOGY

- Population Characteristics
- Population Growth Models
- Species

### (6) BIOSPHERE

- Extent of the Biosphere
- Working of the Biosphere
- Importance of the Biosphere
- Alpha, Beta, Gamma Diversity
- Biomes
  - Global Biomes
  - Major Biomes of the World
  - WWF Classification of Biomes
  - Terrestrial Biomes
  - Aquatic Biomes
- Indian Biomes

### (7) BIODIVERSITY

- Types of Biodiversity
- Value of the Biodiversity
- Threats to Biodiversity
  - Causes of Biodiversity losses ('The Evil Quartet')
  - Invasive species
  - Effects of Loss of Bio-Diversity
- Extinction of Species
  - Types - Natural, Mass, Anthropogenic
  - Causes of Extinction
  - Consequences of Extinction of Species

### (8) BIODIVERSITY CONSERVATION

- Conservation Strategies

- Conservation Tools
- IUCN
- IUCN Red List
- Ecologically Sensitive Area (ESAs)
- In-situ methods of conservation of biodiversity
  - Advantages of In-situ Conservation
  - Disadvantages of In-situ conservation
- Ex-situ Methods of Conservation of Biodiversity

## (9) POLLUTION & DEGRADATION

- Land Degradation
  - Causes and Impact of Land Degradation
  - Desertification
  - Sustainable Land Management
  - Soil Erosion
  - Problems due to Excessive Irrigation
  - Soil Conservation
- Air Pollution
  - Causes of Air Pollution
  - Harmful Effects of Common Air Pollutants
  - Control of Air Pollution
- Marine Pollution
  - Effects of Marine Pollution
  - Coastal Regulation Zone Notification, 2011
- Mining & Pollution
  - Effects of Mining on Environment
  - Concept of Sustainable Mining
  - Acts to regulate the adverse effects of Mining Activities
- Other Pollution
  - Effects of Noise Pollution on Human Health
  - Harmful Effects from Biological Contaminants
  - Harmful Effects of Radioactive Pollution
  - Nuclear Accidents
- Water Degradation
  - Measurement of Water Pollution

- Harmful Effects of Water Pollution

## (10) WASTE MANAGEMENT

- Solid Waste Management
  - Salient features of SWM Rules, 2016
- e-waste Management
  - Pollutants and their Health Impacts
  - Importance of the E-Waste Management
  - E-waste (Management & Handling) Rules, 2016
- Biomedical Waste
  - Hazards Associated with Waste Management
  - Bio-Medical Waste Management Rules, 2016
- Hazardous Waste
  - Hazardous Waste Treatment
  - Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016

## (11) CLIMATE CHANGE

- Factors Affecting Climate Change
- Impact of climate change & its mitigation
- Climate Change Management
  - Conventions
  - International Organisations

## (12) ENVIRONMENTAL IMPACT ASSESSMENT SUSTAINABLE PRACTICES

- Impact of Agriculture on Environment
  - Sustainable Agriculture
- Sustainable Agriculture
  - Hi-tech Farming Methods
  - Rain Water Harvesting
  - Green Buildings and their Rating System in India
  - Eco-tourism-Advantages & Disadvantages of Eco-tourism

# CONTEMPORARY ISSUES

## (1) WILDLIFE

- Man-Animal Conflicts in India
- Poaching activities in India
- Development leads to tiger extinction
- Elephant Conservation
- International treaties for wildlife conservation    Use of drones for wildlife

conservation

- Urban Land Acting as Death Traps for Birds
- Eco-Bridges and Biodiversity Management
- Suderbans at risk due to Climate Change
- CRITICAL WILDLIFE HABITATS
- Declining Population of Pollinators
- International treaties for Wildlife



## Conservation

**(2) COMBATING POLLUTION**

- Indoor Air Pollution and its impact
- Impact of Particulate Matter
- Smog and its impact
- Aerosol shrinking India's Monsoon
- Stubble Burning
- Mobile radiation Impact on Health
- Heavy water Pollution
- Plastic Pollution
- Light Immersion Pollution
- Idol Pollution
- Oil Spill
- Garbage Dumping and its Environment
- E-waste Management Rules 2016
- Groundwater contamination (Arsenic, Uranium)
- Bharat Stage Norm
- What is Polluters Pay Model?
- Beach (Coastal) Pollution
- Nitrogen Pollution
- Hazardous Waste (Management & Transboundary Movement) Rules, 2016

**(3) CLIMATE CHANGE**

- Conference of Parties (COP-24) at Katowice
- Marrakech Climate Change Conference
- Paris Agreement
- US moved out of Paris agreement
- Kigali Agreement
- Kyoto Protocol (2nd Commitment)
- IPCC Report 2018
- International Solar Alliance
- Concept of Green Bond
- Green Climate Fund
- Carbon Tax Feasibility in India
- Concept of Green Building
- Concept of Carbon Credit
- Climate Change and Cities
- Climate change and its impact on Health
- Climate Change and Agriculture
- Climate Change and sea level Rise
- Ocean Warming
- Melting of Gangotri Glacier
- Programmes and Policies Initiated for Mitigating Climate Change
- International Collaboration for Mitigating

## Climate Change

- Ethical issue involved in climate change
- Third Pole and Climate Change
- UNCCD 2018-2030 Strategic Framework
- REGULATORY INDICATORS FOR SUSTAINABLE ENERGY (RISE) 2018 – WB
- ACCOUNTING METHODS OF CLIMATE FUND QUESTIONED
- Tackling climate change from a security perspective
- EFFECTS OF GLOBAL WARMING ON EL NIÑO IN THE 21ST CENTURY
- INDIA TO EXPAND POLAR RESEARCH TO ARCTIC
- BENGAL TIGERS MAY NOT SURVIVE CLIMATE CHANGE
- SCIENTISTS MULL STRATOSPHERIC BARRIER TO CURB GLOBAL WARMING

**(4) RENEWABLE ENERGY**

- Biogas
- National Solar Mission
- Status of Hydro Power energy in India
- Alternative fuels in India
- Draft Energy Policy
- National Energy Storage Mission
- Indian Renewable Energy Development Agency
- National Wind-solar Hybrid Policy
- Photo-voltaic industry and CPSU scheme

**(5) INITIATIVES FOR ENVIRONMENTAL CONSERVATION**

- Compensatory Afforestation Fund Act
- Draft National Wildlife Action Plan
- Wetland Management Rules, 2017
- Initiatives to enhance green cover
- Policy on Promotion of City Compost
- Ancient Bawadis and Water Management
- Living status to Rivers
- Ganga River Pollution
- Environment Impact Assessment

## AGRICULTURE

### (1) Role of Agriculture in Indian Economy

### (2) Land resource

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

### (3) Land Reforms

- Objectives of Land Reforms in India
- Progress of Land Reforms in India
- 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

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

### (6) Crop Insurance in India

- Issues Related to Crop Insurance
- Pradhan Mantri Fasal Bima Yojana
- Comparison with Earlier Crop Insurance Schemes

### (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 Fibre Revolution: Jute

### (10) Food Processing

- Processed Foods Scenario with respect to Specific Sectors
- 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

# TEST: 11 - INTERNATIONAL RELATIONS + WORLD HISTORY + INTERNATIONAL ORGANISATION

06 MARCH, 2022

## INTERNATIONAL RELATIONS (IR)

### UPSC Syllabus

- India and its neighborhood- relations.
- Bilateral, regional and global groupings and agreements involving India and/or affecting India's interests
- 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

### Sub-Topic Listing

#### (1) INDIA'S FOREIGN POLICY

##### ■ Evolution and Challenges

- Evolution of India's foreign policy (Including NAM, Look East and Gujral Doctrine)
- Determinants and challenges of India's Foreign Policy

##### ■ Recent Policies

- Neighbourhood first policy
- Act east policy
- Link west policy
- Indian ocean outreach
- Soft Power and Hard Power diplomacy
- Defence and Nuclear Diplomacy
- Space diplomacy
- Para diplomacy-A New Way for Indian Foreign Policy?
- Middle Power Coalition
- Significance of PMO in foreign policy making
- India's Strategic Connect with the World
- Rise of Realpolitik in India's Foreign Policy in recent times
- Indian Diaspora

#### (2) INDIA AND ITS NEIGHBOURS

##### ■ India-China

- Border dispute
- China's string of pearls
- China's Belt and Road Initiative: Prospects and Pitfalls
  - Maritime Silk Road" linking the Indian and Pacific Oceans
  - Why India is alarmed regarding BRI?
- India's trade deficit with China
- China's Malacca Dilemma
- 2+1 Dialogue mechanism proposed by China
- A rising China: Challenges the US primacy in Asia and role of India
- Chinese project of diverting Tibetan waters
- South China Sea: objection of China to India's presence
- China denies CPEC backing as 'debt trap' for Pakistan (Debt trap diplomacy of China)
- The Unintended Consequences of India's Policy on Citizenship for Tibetan Refugees
- China's Economic Slowdown

##### ■ India-Pakistan

- Indo-Pak Relations : Border Dispute and J&K issue

- Terrorism emanating from Pakistan
  - Indus waters policy shift
  - Dispute over Gilgit-Baltistan
  - CPEC in PoK
  - Nuclear India-Pak-US
  - Indian stance regarding Baluchistan
  - **India Bhutan**
    - Bhutan's significance for Indian Foreign policy
    - India-Bhutan Friendship Treaty
    - Objection of Bhutan to India's Motor vehicle agreement
    - Bhutan's rejection of China's BRI
  - **India-Nepal**
    - Indo-Nepal Relations : Fluctuating ties
    - Nepal's tilt towards China
    - Nepal-China Transit Agreement: An Evaluation
    - India's concern about Nepal's new Constitution
    - The Issue of Water and Hydropower Cooperation
    - Nepal Bharat Maitri Project
  - **India-Myanmar**
    - Democracy in Myanmar
    - Scope for cooperation between N-E India & Myanmar
    - Rohingya issue
    - Buddhist Chauvinism
    - Major Projects: Kaladan multi-modal corridor, India-Myanmar-Thailand trilateral highway
  - **India-Bangladesh**
    - Indo-Bangladesh Relations
    - Water Dispute Teesta water issue & Ganga river dispute
    - Bangladesh demand to stop the construction of the Tipaimukh Hydro-Electric Power Project on the Barak River
    - Differences in approach of India and China towards Bangladesh
    - Illegal Immigration
    - Understanding Bangladesh's Unexpected Development Success
  - **India-Afghanistan**
    - Instability in Afghanistan and role of India
    - India's cooperation in Afghanistan
    - Moscow Format
  - **India-Maldives**
    - Geostrategic Importance of Maldives
    - Recent developments in Maldives exemplifying recalibration of ties
  - FTA Between China And Maldives - Warning For India
  - **India-Srilanka**
    - Sino-Sri Lanka Relationship
    - Fishermen issue
    - Issues on 13<sup>th</sup> amendment (Tamil & Minority Rights)
    - Human Right violations & OHCHR Resolution on Sri Lanka
  - **Indian Ocean Region**
    - Indian Ocean region and world affairs
    - India is a "Net Security Provider" of the Indian Ocean
    - Increasing Chinese influence in the Indian Ocean
    - 20 years of formation of IORA
    - Piracy in the Indian Ocean
    - Seychelles' parliament refusal to ratify an Indian naval base plan on the Assumption Island
    - Importance of Seychelles to India
  - **Indo-Pacific**
    - Concept of Indo-Pacific from perspectives different countries
    - East Asia Summit acts as a bridge for Indo-Pacific region
    - India-Pacific Regional Dialogue
  - **SAARC/BIMSTEC/BBIN**
    - SAARC: Challenges and Prospects
    - Intra-low regional trade
    - BIMSTEC as an alternative to SAARC
    - Nepal withdrew from first ever BIMSTEC's military drill in India.
    - Progress of BBIN project
  - **Global Issues**
    - Disarmament
    - Climate Change
    - Terrorism
    - Global Governance
    - Indian Diaspora
- (3) INDIA AND EXTENDED NEIGHBOURHOOD**
- **India-Indonesia**
    - Indonesia's vision as a "Global Maritime Axis" and it's significance for India
  - **India-Singapore**
    - India-Singapore Bilateral Agreement for naval cooperation
  - **Thailand**



- Indo-Thai relations: Challenges & opportunities

#### ■ India-Vietnam

- India -Vietnam's strategic cooperation

#### ■ India-ASEAN

- Importance of ASEAN in establishing peace and stability in region
- ASEAN-India Relations: Prospects and Challenges in Economic Partnership
- India's cooperation with the ASEAN has been less than China and Japan

### (4) Central Asia

- Connect Central Asia Policy
- Importance of central Asia
- Golden Crescent
- Connectivity Projects (INSTC, Ashgabat Agreement, TAPI Pipeline)

#### ■ India Mongolia

- India-Mongolia Bilateral Cooperation
- Mongolia launched construction of first strategically oil refinery ,constructed by India

### (5) West Asia/Middle East

- Importance of West Asia for India
- Change in West Asian strategic thinking
- China's engagement in West Asia and challenges to India
- Reasons behind India's active strategic engagements with West Asian countries without participating in West Asian turmoil
- Shia-Sunni wedge in West Asian countries
- Importance of Saudi Arabia ,Challenges in India-Saudi Arabia Relations
- Plight on Indian migrant workers.
- Relations between India and United Arab Emirates
- Middle East to India Deep water Pipeline (MEIDP)

#### ■ India-Iran

- Consolidating India-Iran Cooperation
- Connectivity- Importance of Chabahar port
- Iran nuclear deal: Iran Sanctions & India's Options

#### ■ India Israel:

- From 'in the closet' into a fast-developing open relationship
- Strategic significance of the Indo-Israeli relationship
- De-hyphenation of Israel and Palestine

### (6) INDIA AND WORLD

#### ■ India-Africa

- India-Africa Trade relations: Prospects
- Contribution of Indian Diaspora in various fields in Africa.
- African co-operation in ensuring security and peace in Indian Ocean region
- India's Foreign Direct Investment (FDI) in Africa's hydrocarbon sector.
- Strategic Partnership between India and South Africa

#### ■ India-Europe

- The first India-Nordic Summit
- What is GDPR? its implication for India
- Influx of refugees into Europe
- Irritants between India-EU (FTA)
- A new European Union strategy for India
- Ukrainian Crisis' has lead to resurgence of cold war
- Brief on India-UK relations
- Brief on India-France relations

#### ■ India and USA

- Brief of India-US relations
- Mutually supportive Defence cooperation relationship
- Logjams in implementation of civil nuclear cooperation agreement between India and the USA
- Bilateral Social Security Agreements
- The rise of protectionist regime in USA and the challenges for the Indian
- Importance of New Security strategy (NSS) of USA for India
- Recent US extraterritorial Sanctions and their potential impacts on India
- Potential impact of US sanctions towards Russia, Iran and North Korea using CAATSA on US-India relation,
- USA pulls out of INF treaty-Its implication for India
- Pivot to the East policy of the USA
- The Arithmetic of India-US Relations and the Russian Factor
- The First India-US 2+2 Dialogue: An Assessment
- Challenges in Implementing JCPOA after the US Withdrawal
- LEMA-Logistics Exchange Memorandum of Agreement
- Visa, Free Trade and WTO



- **India-Canada**
  - Uranium Deal
- **India-Russia**
  - India's increasing defence deal with USA, Israel
  - Russian arms deal with Pakistan
  - Stagnation between India-Russia Relations
  - Russian proposal of 'Eurasian Economic Union'
- **India-Japan**
  - Japan's funding of major projects in India
  - Nuclear Pact
  - Japan's Pacifism
  - 13<sup>th</sup> annual India - Japan summit
- **India-Australia**
  - Australia's "An India Economic Strategy to 2035", a vision document
  - Nuclear cooperation between India-Australia

## (7) INTERNATIONAL ORGANISATION AND GLOBAL ISSUES

- **United Nation and UNSC**
  - UNSC Reforms : Importance and Challenges
- **BRICS**
  - Advantages of setting up the New Development Bank
  - Prospects and Challenges of BRICS
- **Commonwealth**
  - Shared history of Commonwealth
  - Relevance in current time and Areas of Cooperation
- **Shanghai Cooperation Organization**
  - Benefits and challenges of India's entry in SCO
- **IMF – The International Monetary Fund**
  - Issues concerning the reforms in Bretton Wood twins and needs structural reforms to reflect post globalization realities of the world
- **NATO – The North Atlantic Treaty Organization**
  - Relevance of NATO in post USSR era
- **TPP – The Trans-Pacific Partnership**
  - Will RCEP prove to be a competitor of TPP in the Asia-Pacific region
- **WTO – The World Trade Organization**
  - Doha round and Singapore Agenda: Challenges in implementation
  - USA-India dispute
  - Need to revamp WTO
- **Arctic Council:**
  - Arctic is attracting global interest
- **IAEA**
  - India's nuclear facilities under IAEA safeguards
- **Sub Topic: UK Referendum – Brexit**
  - consequences of Brexit for United Kingdom and European Union,
  - effect of Brexit on China and India
- **Sub Topic: Refugee problem**
  - Does the world need a new UN convention on refugees
  - United Nations member states (except the U.S. and Hungary) agreed on a Global Compact for Migration to better manage international migration
- **Sub Topic: Terrorism**
  - Reasons of rise of far right wing politics in many developed and developing countries
  - the Comprehensive Convention on International Terrorism (CCIT)
  - UNSC's 1267 Al Qaeda Sanctions Committee on Jaish-e-Mohammad Chief Masood Azhar
  - Security Council Resolution 2322 to enhance the efficacy of international legal and judicial systems
  - Lone-wolf attacks.
- **Yemen Crisis**
  - Yemen Crisis: Reasons and impacts
- **South China Sea**
  - Contention over South China Sea and South China Sea Ruling
  - Senkaku and Diaoyu conflict between China and Japan
  - Role of India in the wake of increasing South China Sea dispute
- **Other**
  - World coming towards a new multi-polar order with USA as a waning superpower and China-Russia axis as an emerging challenger
  - India and the International Solar Alliance
  - Venezuela-Columbia Border Issue
  - AIIB & The Changing World Order
  - Multilateral export control regimes : Significance and challenges of India's Entry
  - US-Venezuela Stand-off : Impact on Global Oil Prices
  - Renaissance and Reticence in India's North-South Connectivity Platform
  - Strategic Petroleum Reserves: Stocking Oil for Rainy Days

- ▶ QUAD: Strategic and economic benefits
- ▶ India has been accorded associate member status by IEA; Its importance for India
- ▶ Why RIC is as important to India as JAI and BRICS?
- ▶ Rising Protectionism and Currency Wars
- **Indian Diaspora**
  - ▶ Role played by Indian Diaspora
  - ▶ Issue of safety of Indians abroad
  - ▶ Schemes for Welfare of Overseas Indian
  - ▶ Indian Diaspora in Gulf
  - ▶ Nitaqat law and Present Status

## CONTEMPORARY ISSUES

### (1) Foreign Policy of India

- Foreign Policy of India
- Virtue of Soft Power
- Middle Power Coalition
- Terrorism
- Appendix: Global Terrorism Index 2017
- Diplomacy of Buddhism
- Indian Navy at the Front Seat of Indian Foreign Policy
- Indian Diaspora
- Indian Diaspora in Gulf

### (2) Neighbours

- India's Neighbourhood Policy
- China
- South China Sea ruling
- Water Diplomacy through Dams
- Chumbhi Valley and Doklam Plateau
- Why China is Winning over India's Neighbors?
- India, China ink first-ever Internal Security Cooperation Agreement
- Nepal
- Rebooting India Nepal Ties
- Nepal Withdrew From First Ever BIMSTEC's military drill in India
- Pakistan
- Shift Indus Waters Treaty Policy
- Afghanistan
- Heart of Asia Conference
- Sri Lanka
- Bangladesh
- Myanmar
- Maldives
- FTA between China and Maldives - Warning for India
- Bhutan

### (3) Bilateral Relations

- Act East Policy
- Australia
- Indonesia
- Singapore
- South Korea
- Thailand
- Vietnam
- Philippines
- Iran
- Saudi Arabia
- U AE
- Slowdown in West Asia
- Return of Retrenched Workers
- Race for Resources in Central Asia
- Kazakshtan
- Mongolia
- Island Nations
- Africa
- Nigeria

### (4) GLOBAL POWERS

- USA
- A new European Union strategy for India
- Germany
- Japan
- Appendix: Asia-Africa Growth Corridor (AAGC)
- France
- Russia
- Decline in Indo-Russia Relations
- Why RIC is as important to India as JAI and BRICS?
- UK
- Brazil
- Israel
- India's De-hyphenated Policy

### (5) INTERNATIONAL ORGANIZATIONS & AGREEMENT

- IMF
- World Bank
- WTO
- G-20
- ASEAN
- BIMSTEC
- Indian Ocean region and world affairs
- BRICS
- Asian Infrastructure Investment Bank
- Trans Pacific Partnership (TPP)
- Regional Comprehensive Economic Partnership and India
- Multilateral Negotiations for a Nuclear Weapons Ban
- Wassenaar Arrangement and India
- India Admitted to Australia Group
- IAEA
- Nuclear Security Summit
- Non-Alignment Movement (NAM)
- UNSC Reform

### (6) Miscellaneous

- UK struck a post-Brexit trade deal with EU'
- 'India, Sri Lanka, Maldives up maritime security'

- 'India's outreach to West Asia'
- 'SCO Summit'
- 'Chinese dam on YarlungTsangpo/ Brahmaputra: Should India be concerned?'
- 'Pakistan's new political map'
- 'Vaccine nationalism'
- 'US suggests a G7 Expansion to Include Australia, India, and South Korea'
- 'Global Vaccine Summit: India Pledges \$15 Million to International Vaccines Alliance Gavi'
- 'South China Sea Chaos'
- Saudi Arabia launches an oil war
- '60 years of the Indus Water Treaty'
- 'On the Quad, define the idea, chart a path'
- 'Assessing the 'critical' importance of Chushul sector in India-China standoff'
- '2020 Afghanistan Conference: A reinforced commitment'
- 'India and RCEP'
- 'Treaty on the Prohibition of Nuclear Weapons (TPNW)'

### (7) Etc.

## WORLD HISTORY

### UPSC Syllabus

- History of the world will include events from 18th century such as industrial revolution, world wars, redraw of national boundaries, colonization, decolonization
- Political philosophies like communism, capitalism, socialism, etc. their forms and effect on the society.

### Sub-Topic Listing

#### (1) Industrial Revolution

- Decline of feudalism
- Beginning of Renaissance
- Pre-industrial Europe
- Factors that led to industrial revolution and its Impact

#### (2) French Revolution

- Causes of the revolution in France
- France under Napoleon

- Impact and Significance of revolution

#### (3) Nationalism in Europe

- Rise of the nation- state system
- Unification of Italy and Germany

#### (4) Colonialism and Imperialism

- Colonialism and its Analysis
- The age of Imperialism (1870-1914)
- Imperialism in Asia

**(5) Emergence of USA**

- Foundation of American Colonies
- The Independence of USA
- The American Revolutionary War and its impact
- Political Effects of the Revolution
- How did the American Revolution influence the French Revolution?

**(6) World War-I**

- Causes and Course 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 and Course of revolution
- Consequences and Aftermath of the war
- Post-Lenin Russia

**(8) Inter-War Years (1919 To 1939)**

- The Great Depression- an economic perspective
- Rise of Fascism in Italy & Nazism in Germany

- Soviet Union (USSR)

**(9) World War- II**

- Causes & Course of the war
- Aftermath & Analysis of the war
- Decolonization Phase

**(10) Development In Middle East**

- Democratic reforms in Middle East
- Arab nationalism
- Israel and Palestine

**(11) Cold War Era**

- Impact in India
- Indian Policy

**(12) Post Cold-War World**

- Global issues since 1991
- Integration of Europe
- 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
- Socialism

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## **TEST: 12**

# **SCIENCE & TECHNOLOGY + INTERNAL SECURITY**

**19 MARCH, 2022**

### **UPSC Syllabus**

- 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.
- Awareness in the fields of IT, Space, Computers, robotics, nano-technology, bio-technology and issues relating to intellectual property rights.
- Conservation, environmental pollution and degradation, environmental impact assessment Disaster and disaster management.

### **Sub-Topic Listing**

## **SCIENCE & TECHNOLOGY**

### **(1) Introduction**

- India's Policy in the Field of the Science & Technology
- The Science & Technology Policy Resolution in 1958
- Science & Technology Policy 2013
- Institutional Structure
- New Initiatives Aligned with the National Agenda
- India & World Collaboration in Science Projects

### **(2) Space**

- Satellite Communication in India
- INSAT Satellite Applications
- Remote Sensing Applications
- Cryogenic Rockets
- Global Positioning System
- Role of Space in Development
- ISRO as Soft Power
- Issue of Space Race
- Space Activities Bill, 2017

- Outer space treaty

### **(3) IT, Telcom & Electronics**

- IT Industry in India
- Applications of Information Technology
- Display Technologies
- Telecommunication
- Government Initiatives
- Contemporary Debates

### **(4) Defence**

- Missile System and their Classification
- India's Missile System
- India's Ballistic Missile Defence System
- UAVs in India
- Stealth Technology ,Chemical Weapons , Biological Weapons

### **(5) Nano-Science & Nano-Technology**

- Nanoscience Nanotechnology and Nanomaterials
- Applications of Nanotechnology



- Health & Environmental Impacts of Nanotechnology
- Social & Ethical Impacts
- Nano-Science& Nanotechnology in India

## (6) Robotics

- Robotics & Artificial Intelligence
- Applications of Robotics
- Robotics and Issues of Unemployment

## (7) Nuclear Energy

- Nuclear-Power Policy of India
- Non-energy Applications of Nuclear Energy
- Impact of Radiation, Issue of Radioactive Waste
- Institutions involved in Nuclear Energy Development
- Nuclear & Radiological Disasters

## (8) Biotechnology

- Application of Biotechnology
- Biotechnology Projects
- Issue of Bio-Piracy

- Bioinformatics
- Biotechnology and IPR Issue
- Ethical Dimension In Biotechnology

## (9) 10 Renewable Energy

- Ocean Thermal Energy Conversion (OTEC)
- Concept of Green Building
- Tidal , Wave , Geothermal Energy , Fuel Cells

## (10) 11 Achievements of Indians in science & technology

- Scientists of Ancient India
- Science and Scientists of Medieval India
- Scientists of Modern India

## (11) Policies& Reports related to Science

- Technology Vision Document 2035
- National Biotechnology Development Strategy 2015-2020
- National Intellectual Property Rights Policy
- Policy on Synthetic Biology
- Law Commission Report on Human DNA Profiling

# CONTEMPORARY ISSUES

## (1) Space

- OUTER SPACE TREATY
- NEUTRINO OBSERVATORY
- SOLAR MISSION- ADITYA
- Chandrayaan-2 Mission
- GRAVITATIONAL WAVES
- IMPORTANCE OF NAVIGATION SYSTEM
- Reusable Launch Vehicle
- About SN Bose
- Stephen Hawking
- Space Activities Bill, 2017
- ISRO AS SOFT POWER
- ISRO'S ROLE IN SOCIO-ECONOMIC DEVELOPMENT
- Space Debris
- GAGANYAAN
- 20 years of International Space Station

## (2) Biotechnology & Health

- Tuberculosis

- Mother-to-Child Transmission of HIV
- Nipah Virus Infection
- Generic Drugs in India
- Stent Implants
- INTELLECTUAL PROPERTY RIGHTS: ISSUES & CONCERNS
- Misuse of Secondary Patent Methodology
- Digital Biopiracy
- Clinical Applications of whole Genome Sequencing
- Three-Parent Babies Permitted in UK
- Mass Embryo Transfer
- Issues Related to Gm Food
- Importance of Genetic Testing
- Health Geo-Mapping Project
- Digital Health Technology Eco-System
- Ethical Dimension In Biotechnology
- Law Commission Report on Human DNA Profiling
- Law against Genetic Discrimination
- Genome Editing: What, Why and Way Forward

**(3) DEFENCE**

- India's Missile System
- Brahmos and its Significance
- India's Ballistic Missile Defence System
- Indian Submarines and Naval Ships
- Light Combat Aircraft
- UAVs in India
- Chemical Weapons
- Biological Weapons

**(4) Policies Related to Science**

- STI Policy 2013 of India: Analysis
- The Paradox of Innovation
- Analysis of INSPIRE Scheme
- National Biotechnology Development Strategy 2015- 2020
- Organ Donation Rules in India
- Policy on Synthetic Biology
- Maharashtra's Public Cloud Policy
- National Policy on Electronics 2019
- Roadmap for Drones
- National Wind-Solar Hybrid Policy
- Draft Rules for E-Pharmacies
- National Digital Communications Policy
- Net Neutrality

**(5) IT & Telecom**

- Internet Of Things
- Big Data Initiative
- Supercomputer and its Applications
- Li-Fi Technology and its Application
- Use of it in Financial Inclusion
- Credit/Debit Card Crimes
- Bharatnet Project
- Wanna Cry Malware
- Concept of Cyber-Physical Systems
- Esign Electronic Signature Service: Significance & Applications
- Digital India: Achievements
- Adoption of Blockchain Technology to Stop Bank Frauds
- Artificial Intelligence and Society
- Two Authentication Procedure
- Facial Authentication Working
- Issue of Internet Governance
- Quantum computing
- National supercomputing mission
- Data Protection-B N srikrishna committee

- Data Localisation and Related Issues
- National Digital Literacy Mission and Digital NE vision
- National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS)
- Bullet Train

**(6) Initiatives in the Field of Science & Technology**

- Technology and Food Security
- BOOSTING Horticulture through Remote Sensing
- Hyperloop Transportation Technology
- Cloud Seeding Experiment In Maharashtra
- Nano-Technology Medicines
- Hydrogen Bomb
- Ear Tagging In Cattle
- e-Cigarette
- Kudankulam Nuclear Power Plant
- Geo-Tagging The Assets In Mgnrega
- Robot Tax and its Implications
- India & World Collaboration in Science Projects

**(7) Diseases in News**

- African Swine Fever
- Shigella infection
- Eluru Mystery Disease
- Cytokine Storm
- Encephalitis Syndrome (AES)
- Multi-System Inflammatory State
- Classical Swine Fever
- Deconstructing SARS-CoV-2 virus
- Huntingtin Disease
- ICMR warns India of 'Cat Que Virus'
- Kyasanur Forest Disease (KFD)
- New tick-borne virus in China
- Amoebiasis
- World Tuberculosis (TB) Day
- Mother-to-Child Transmission of HIV
- Nipah Virus Infection
- Avian Influenza or Bird Flu
- Bovine TB
- Encephalitis
- Kyasanur Forest Disease (Monkey Fever)
- Hospital Acquired Infection
- Rotavirus
- Middle East Respiratory Syndrome Virus
- Swine Flu

- Chikanguniya
- Tuberculosis

### (8) Miscellaneous

- 'Genome editing and ethical concerns'
- Brain Fingerprinting technology'
- DRDO achieves milestone in key quantum technology'
- 'National Space Promotion and Authorization Centre (IN-SPACe)'
- The Fifth State of Matter'
- Immunoglobulin G (IgG) ELISA test'
- 'Ultraviolet Germicidal Irradiation (UVGI)'
- 'The contact tracing technology'
- 'NASA's Artemis Project

- Aarogya Setu App
- Acute Encephalitis Syndrome (AES)'
- Convalescent-plasma therapy
- Defence Procurement Procedure (DPP) 2020'
- Cord Blood Banking
- Web 3.0 revolution
- Hypersonic Technology Demonstrator Vehicle (HSTDV)'
- Novichok nerve agent'
- India's Deep Sea Mission

### (9) Etc.

## INTERNAL SECURITY

### (1) Internal Security Challenges

- Social Diversity as Issues of Security Threat
- Challenges from within India
- Neighbors as Issue of Security Threat:
  - Pakistan
  - China
  - Myanmar
  - Bangladesh
  - Bhutan
  - Nepal
  - Sri Lanka
- 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

- Changing face of Terrorism
- Terror Threats Faced by India
- Broader Framework to Deal with Terrorism

### (3) Organized Crime

- Types of Organized Crime
- Problems in controlling organized crimes
- Combating organized crimes
- Linkage of Terrorism and Organized Crime in India
- Linkage between Development and Spread

- Why naxalism is biggest threat to internal security?

### (4) INSURGENCY IN NORTHEAST

- Introduction
- Issues & Conflicts
- Assam Insurgency

### (5) Security Challenges in

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

### (6) Basics of Cyber Security

- Basic Definition
- Types of Cyber Crimes
- Impact and Steps needed
- Recent Incident: Ransomware
- National Cyber Security Policy of India 2013

### (7) Cyber Warfare

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

### (8) Social Media and Internal

- Security Threat

- Regulation of Social Media in India for Internal Security
- Challenges in Monitoring Social Media

### **(9) Money Laundering**

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

### **(10) Black Money in India**

- Parallel Economy in India
- Measures taken to curb Black Money?
- Demonetization for curbing black money
- Impact of demonetization on black money
- Criticisms

### **(11) Police Reforms in India**

- Organizational 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

### **(12) 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

### **(13) Role of Army in Internal Security**

- Strategic Perspective: Why role of Military has become important?
- National Context
- The Indian Army's Response
- Structural Adaptation
- Doctrinal Development
- Leadership Adaptation
- Long-term Perspective

### **(14) Threats, Challenges and Vulnerabilities in 21st Century**

- China: The Long-term Challenge
- Managing the China-Pakistan
- Nuclear, Biological and Chemical Threat
- Aerospace Threats
- Maritime Security
- Natural Resources
- Conflict over Water
- Energy Security
- Global Warming
- Indian Diaspora
- Economic Warfare

### **(15) Impact of Governance and Justice Delivery System on Internal Security**

### **(16) National Security Mechanism**

### **(17) Issues in Intelligence Services**

### **(18) Strategy for Coastal and Offshore Security**

### **(19) Make in India in Defence**

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