

# GS MAINS TEST SERIES 2023



GS SECTIONAL  
+ MOCK TESTS  
& ESSAY



CONCEPT DISCUSSION  
+ ANSWER WRITING



PERSONAL  
INTERACTION  
WITH FACULTIES

**TEST STARTS**

**11** DECEMBER  
2022



**COURSE FEE**  
₹ 15,000 (+GST)

➤ **Total 23 Tests including:**

- 12 Sectional Test
- 3 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 Experts only**

➤ **One on one discussion with faculty after copy evaluation. after Copy Evaluation**

**TEST TIMINGS:**

9:00 AM to 12:00 Noon

**DISCUSSION:**

Same day after the test

# TEST SCHEDULE

TEST NO	DATE	GS PAPER	SUBJECT
<b>Approach Class: Approach to Answer Writing</b>			
Test 1	<b>11 DECEMBER, 2022</b>	GS Paper 2	Constitution & Indian Polity
Test 2	<b>18 DECEMBER, 2022</b>	GS Paper 2	Governance & Social Justice
Test 3	<b>24 DECEMBER, 2022</b>	GS Paper 2	International Relations
Test 4	<b>31 DECEMBER, 2022</b>	Essay	Essay Test 1
Test 5	<b>08 JANUARY, 2023</b>	GS Paper 4	Ethics & Human Interface
Test 6	<b>15 JANUARY, 2023</b>	Essay	Essay Test 2
Test 7	<b>22 JANUARY, 2023</b>	GS Paper 4	Ethics & Governance
Test 8	<b>29 JANUARY, 2023</b>	Essay	Essay Test 3
Test 9	<b>01 FEBRUARY, 2023</b>	GS Paper 3	Indian Economy
Test 10	<b>05 FEBRUARY, 2023</b>	GS Paper 3	Environment & Disaster Management
Test 11	<b>08 FEBRUARY, 2023</b>	GS Paper 3	Internal Security + Science & Technology
Test 12	<b>12 FEBRUARY, 2023</b>	GS Paper 1	Modern India + Culture
Test 13	<b>15 FEBRUARY, 2023</b>	GS Paper 1	World History + PIC + Society
Test 14	<b>19 FEBRUARY, 2023</b>	GS Paper 1	Geography

TEST NO	DATE	GS PAPER	SUBJECT
Test 15	<b>After Prelims</b>	GS Paper 1, 2 & 3	Contemporary Issues
Test 16	<b>After Prelims</b>	GS Paper 1	Mock -1
Test 17	<b>After Prelims</b>	GS Paper 2	Mock -2
Test 18	<b>After Prelims</b>	GS Paper 3	Mock -3
Test 19	<b>After Prelims</b>	GS Paper 4	Mock -4
Test 20	<b>After Prelims</b>	GS Paper 1	Mock -5
Test 21	<b>After Prelims</b>	GS Paper 2	Mock -6
Test 22	<b>After Prelims</b>	GS Paper 3	Mock -7
Test 23	<b>After Prelims</b>	GS Paper 4	Mock -8

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## Sub-Topic Listing

### TEST: 1

11 DECEMBER, 2022

## CONSTITUTION & INDIAN 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 (103rd Amendment) Act, 2019 (124th 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

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## EXECUTIVE JUDICIARY, LEGISLATURE

### (1) Issues And Challenges Pertaining To The Federal Structure

- Union and its territory
  - Formation of state and Altercation of boundaries
- Nature of Federal System
- Peculiar features of Indian federalism
- A Critique of the Federal System
- Challenges of Nation building
  - Challenges Of Special Status State And Problems
  - Demand for New states: Gorkhaland, Nagalim, Vidharbha, Purvanchal etc.
- Era of One-Party dominance
- Regional aspirations
- Emergency Provisions
  - Imposition of President Rule
  - Fundamental Rights during Emergency

### (2) Structure, organization and functioning of the Union executive

- President
  - President of India – Discretionary Powers- Imposition of President's rule
  - Is President a mere Rubber Stamp
- Vice President
- Prime Minister
- Central Council of Ministers

- Cabinet Committees

### (3) Structure, organization and functioning of the State executive

- Governor
  - Provisions related to removal of Governor (Article 156)
  - Politicization of the Post of Governor
- Chief Minister
- State Council of Ministers

### (4) Parliament

- Parliament
  - Sessions of Parliament: Adjournment, Prorogation, Dissolution etc.
  - Lacunas in Parliamentary Functioning in India
  - When Does a Bill Lapse in Indian Parliament?
  - Types of Majorities Used in the Indian Parliament.
  - Election to Rajya Sabha: The Procedure.
  - Relevance of Rajya Sabha
  - Government Budgeting: Indian Budget for Beginners.
  - Budget Documents Made Simple: Key to Budget Documents.
  - Cut Motions: Policy Cut, Economy Cut, and Token Cut.
  - Misuse of Ordinance promulgation power



- ▶ Office of the Speaker: Powers and Issues
- ▶ Issue related to office of profit
- ▶ Breach Of Privilege: Special privileges to MP's and its implications
- Parliamentary Committees
  - ▶ Parliamentary Committees in Lok Sabha and Rajya Sabha.
  - ▶ Diminishing importance of parliamentary committees

## (5) State Legislature

- State Legislature
  - ▶ Full statehood to Delhi: Should it be granted or not?
  - ▶ Relevance of Council of State

## (6) Functions and responsibilities of the Union and States

- 7<sup>th</sup> Schedule

## (7) Separation of Power

- Power Sharing
- Centre-State Relations
  - ▶ Inter-State Council vs National Development Council.
  - ▶ Separate State Flag in Karnataka
  - ▶ NITI Aayog: The new 'think-tank' to replace Planning Commission.
- Foreign Policy

## (8) Dispute Redressal Mechanisms and Institutions

- Inter-State Relations
  - ▶ Inter-state River Water Dispute
- Parliamentary Forums
- Parliamentary Groups

- Administrative Tribunals
- National Integration

## (9) Devolution of Powers and Finances Up To Local Levels and Challenges Therein

- Local Governments
  - ▶ Nagaland Reservation in Urban Bodies
  - ▶ Education Qualification made mandatory for contesting Local Government Elections
- Panchayati Raj and PESA 1996
- Municipalities
  - ▶ Reforms needed in Municipalities in Sync with Urban Development Missions

## (10) Structure, Organization and Functioning of the Judiciary

- Higher Judiciary Appointments
  - ▶ Collegium system and issues.
  - ▶ Collegium Vs. NJAC
  - ▶ CJI removal
- Judicial Review
- Judicial Activism
  - ▶ Judicial activism and judicial Overreach
  - ▶ Judicial Accountability & RTI Act
- Public Interest Litigation
  - ▶ Advocates (Amendment) Bill, 2017 Controversy
  - ▶ National Litigation Policy
- Other Judicial Issues
  - ▶ All India Judicial Services
  - ▶ Proposal for National Court of Appeal

- ▶ Judicial Pendency
- ▶ Judicial Reforms
- ▶ Problems with Tribunals, Problems arising out of sidestepping the HC
- ▶ Alternate Dispute Redressal (ADR)
- ◉ Major Judgements of Supreme Court
  - ▶ RIGHT TO CONVERT-the Supreme Court's judgement regarding a person's right to choose a religion, Issue of Religious Conversion in India,
  - ▶ Reservation in promotion, Argument in favour of reservation in promotion, Argument against the reservation in promotions
  - ▶ Supreme Court judgement on Caste, Religion in Polls
  - ▶ Validity of Aadhaar but with certain caveats
  - ▶ Cauvery River Verdict
  - ▶ Concept of Defamation in India
  - ▶ Should the SC proceedings be live streamed?

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## TEST: 2

18 DECEMBER, 2022

## GOVERNANCE & SOCIAL JUSTICE

### 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**

- 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
  - State and operational effectiveness of Local governments in India
  - Corporate Governance in India
- **Police Reforms in India**
- **Curb On VIP Culture**
- **Prison Reforms in India**
- **Improving Governance In Public Systems**

### **4. Development Processes 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
  - Income Inequality in India
  - Recommendations to Reduce Inequality
- **Hunger**
  - Manifestations of Hunger and its causes
  - Challenges to Food Security
  - Global Hunger Index Report
- **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

◉ **Health**

- Public Health System of India
- Shortcomings of the Healthcare Sector
- Urgency of achieving Universal Health Coverage
- Evaluation of SWACHH BHARAT MISSION
- 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**

**8. Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies**

**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
- AFSPA and Second ARC
- Inter-State River Water Dispute: Cauvery dispute
- Role of NitiAayog

**TEST: 3****24 DECEMBER, 2022****INTERNATIONAL  
RELATIONS****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**

- Neighborhood 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
- 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'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
- ◉ **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
- ◉ **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
  - ▶ 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
- ◉ **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
- ◉ **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
- ◉ **Global Issues**
  - ▶ Disarmament
  - ▶ Climate Change
  - ▶ Terrorism
  - ▶ Global Governance
  - ▶ Indian Diaspora



### 3. India and Extended Neighbourhood

- India-Indonesia
- India-Singapore
- Thailand
- India-Vietnam
- India-ASEAN

### 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
- **India-Iran**
- **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)
- ▶ Brief on India-UK relations
- ▶ Brief on India-France relations

#### ◦ India and USA

- ▶ Brief of India-US relations
- ▶ Mutually supportive Defence cooperation relationship
- ▶ 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

- ▶ Pivot to the East policy of the USA
- ▶ The Arithmetic of India-U.S. Relations and the Russian Factor

## ◉ India-Canada

## ◉ 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

## ◉ 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:

## ◉ 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: Refugee problem:

## ◉ 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.
- **South China Sea**
  - ▶ Contention over South China Sea and South China Sea Ruling
  - ▶ 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
- ▶ AIIB & The Changing World Order
- ▶ Multilateral export control regimes : Significance and challenges of India's Entry
- ▶ Renaissance and Reticence in India's North-South Connectivity Platform
- ▶ Strategic Petroleum Reserves: Stocking Oil for Rainy Days
- ▶ QUAD: Strategic and economic benefits
- ▶ 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

**TEST: 4****31 DECEMBER, 2022****ESSAY TEST-1**

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## TEST: 5

08 JANUARY, 2023

## ETHICS & HUMAN INTERFACE

### 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. Teachings of Moral Thinker

### 4. Attitude & Emotional Intelligence

- 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

## TEST: 6

15 JANUARY, 2023

## ESSAY TEST-2

**TEST: 7****22 JANUARY, 2023****ETHICS -2  
(APPLIED ETHICS)****1. 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

**2. 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

**3. 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

## TEST: 8

29 JANUARY, 2023

## ESSAY TEST-3

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**TEST: 9****01 FEBRUARY, 2023****INDIAN ECONOMY****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

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## TEST: 10

05 FEBRUARY, 2023

## ENVIRONMENT & DISASTER MANAGEMENT

### (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

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**TEST: 11****08 FEBRUARY, 2023****SCIENCE &  
TECHNOLOGY  
+ INTERNAL SECURITY****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
- Applications of Information Technology
- Display Technologies
- Telecommunication
- Government Initiatives
- Contemporary Debates

**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, Telecom & Electronics**

- IT Industry in India

**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. Renewable Energy

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

## 10. 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

## INTERNAL SECURITY

### Internal Security Challenges in India

## 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

## 4. Linkage between Development and Spread of Extremism

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

## 5. INSURGENCY IN NORTH-EAST

- Introduction
- Issues & Conflicts
- Assam Insurgency

## 6. Security Challenges in Border Areas

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

## 7. Basics of Cyber Security

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

## 8. Cyber Warfare

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

## 9. Social Media and Internal Security Threat

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

## 10. Money Laundering

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

## 11. Black Money in India

- Parallel Economy in India
- Measures taken to curb Black Money?

- Demonetization for curbing black money
- Impact of demonetization on black money
- Criticisms

## Security Forces and their Mandate

### 12. 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 21<sup>st</sup> Century

### 13. Various Security Forces and their Mandate

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

### 14. 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

## Governance Issues Related to Internal Security

### 15. Threats, Challenges and Vulnerabilities in 21<sup>st</sup> Century

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

### 16. Impact of Governance and Justice Delivery System on Internal Security

- Importance of Good Governance in Internal Security
- Reforms Needed

### 17. National Security Mechanism

- Improving Policing and Intelligence

- Resolving Centre-State Issues in Managing Internal Security

## 18. Issues in Intelligence Services

- Response Mechanism in India
- What are the Major INTELLIGENCE Challenges?
- Steps to tackle the flaws
- What are the probable measures to improve Intelligence Services in India?
- How to Create These Capabilities?

## 19. Strategy for Coastal and Offshore Security

- Different Facets of Maritime Security
- Different Reporting Mechanism for Handling Security
- Importance of Coastal Community Participation

## 20. Make in India in Defence

- Present Scenario
- Make in India in Defense
- Government Policy
- Strategy for Indigenization
  - Skill Development
  - Technology acquisition

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## TEST: 12

12 FEBRUARY, 2023

## MODERN INDIA + CULTURE

### MODERN INDIA

#### 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 VidyaSagar (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 Response
- ◉ 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 AryaSamaj
- ◉ 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
- JallianwalaBagh Massacre
- Khilafat movement and Non cooperation movement
- Impact of ChauriChaura 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

## CULTURE

### 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: 13****15 FEBRUARY, 2023****WORLD HISTORY  
+ PIC  
+ SOCIETY****WORLD HISTORY****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

## PIC

### 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

# 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

- (9) Secularism and Secularization
  - Western and Indian Concept
  - Process of Secularization
  - Secularism and Forced Conversion in India
- (10) Communalism, Fundamentalism and Communal Violence
- (11) 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

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**TEST: 14****19 FEBRUARY, 2023****GEOGRAPHY****PHYSICAL GEOGRAPHY****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

## ECONOMY 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 Annadataa Aay 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
  - BharatmalaPariyojana
- ▶ 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 prospects
  - 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

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