

GS MAINS TEST SERIES 2023



GS SECTIONAL
+ MOCK TESTS
& ESSAY



CONCEPT DISCUSSION
+ ANSWER WRITING



PERSONAL
INTERACTION
WITH FACULTIES

TEST STARTS

13 NOVEMBER
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
Approach Class: Approach to Answer Writing			
Test 1	13 NOVEMBER, 2022	GS Paper 2	Constitution & Indian Polity
Test 2	20 NOVEMBER, 2022	GS Paper 2	Governance & Social Justice
Test 3	27 NOVEMBER, 2022	GS Paper 2	International Relations
Test 4	04 DECEMBER, 2022	Essay	Essay Test 1
Test 5	11 DECEMBER, 2022	GS Paper 4	Ethics & Human Interface
Test 6	18 DECEMBER, 2022	Essay	Essay Test 2
Test 7	24 DECEMBER, 2022	GS Paper 4	Ethics & Governance
Test 8	31 DECEMBER, 2022	Essay	Essay Test 3
Test 9	08 JANUARY, 2023	GS Paper 3	Indian Economy
Test 10	12 JANUARY, 2023	GS Paper 3	Environment & Disaster Management
Test 11	15 JANUARY, 2023	GS Paper 3	Internal Security + Science & Technology
Test 12	18 JANUARY, 2023	GS Paper 1	Modern India + Culture
Test 13	22 JANUARY, 2023	GS Paper 1	World History + PIC + Society
Test 14	25 JANUARY, 2023	GS Paper 1	Geography

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

Sub-Topic Listing

TEST: 1

13 NOVEMBER, 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
 - ▶ 42nd and 44th 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 (125th 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 58th 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
 - ▶ 14th Finance Commission and Local Governments
 - ▶ 15th Finance commission: Issues with Term and References
- State Finance Commission
- Law Commission
 - ▶ 268th Report of Law Commission on Bail Reforms
 - ▶ Law Commission report on Hate Speech
- Pay Commission
 - ▶ 7th 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

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

- 7th 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?

TEST: 2

20 NOVEMBER, 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

27 NOVEMBER, 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
- **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

7. International Organisations 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

- ▶ 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**04 DECEMBER, 2022****ESSAY TEST-1**

TEST: 5

11 DECEMBER, 2022

**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

18 DECEMBER, 2022

ESSAY TEST-2

TEST: 7

24 DECEMBER, 2022

**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

31 DECEMBER, 2022

ESSAY TEST-3

TEST: 9

08 JANUARY, 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

TEST: 10

12 JANUARY, 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
 - ▶ 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

TEST: 11

15 JANUARY, 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

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

- 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. 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 21st Century

13. Various Security Forces and their Mandate

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

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 21st 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

TEST: 12

18 JANUARY, 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 18th Century
- Cultural life of people in 18th Century
- Scientific outlook in 18th 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 19th 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 19th 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 19th 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 19th and 20th 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

TEST: 13

22 JANUARY, 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

TEST: 14

25 JANUARY, 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 ditribution 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

- ▶ Causesof 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
 - Horizontals 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 (NPBBDD)
 - ▶ 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
 - 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
