1. Salient features of Indian society
• What is society?
• Features of Indian society
• Changes within Indian society and their effects
• Causes of changes
• Indian society today

2. Diversity of India
• What is diversity?
• Types of diversities in India
• Concept of unity in diversity & Manner of reconciliation

3. Role of women’s organizations
• What are Women’s organizations?
• Women’s organizations in Indian history & role of women in Indian history
• Types of women’s organizations
• Level of penetration
• Problems faced by women’s organizations

4. Poverty and development issues
• Poverty – Definition and concept
• Concept of development
• Sen vs Bhagwati model
• Government’s initiatives
• Critical assessment of initiatives

5. Population and associated issues
• Demographic issues in India
• International Targets (MDGs) and India’s story
• Government’s initiatives
• Family planning programs and the problems
• Demographic dividend and the way to capitalize it

6. Urbanization, their problems and remedies
• Urbanization introduction through census 2011
  I. Transport
  II. Waste disposal
  III. Rural-urban migration
  IV. Sanitation

7. Effects of globalization on Indian society
• What is the meaning of globalization?
• Kinds of impact of globalization – economic, political, developmental and socio-cultural
• Positive and negative impacts

8. Social empowerment
• Meaning and concept of social empowerment
• Why do we need social empowerment?
• Vulnerable sections of society
• Government’s initiatives for empowerment
• Critical analysis of empowerment initiatives

9. Communalism
• Meaning and concept of communalism
• Historicity of communalism
• Communalism under the law
• Bad effects of communalism
• Way forward

10. Secularism
• Meaning and concept of secularism
• Secularism through the vantage point of Indian Constitution
• Comparisons of models of secularism
• Indian philosophy on secularism
• Threats on the secular spirit
• Aftermath effects

11. Regionalism
• Meaning and concept of regionalism
• Historical background of regionalism
• Regionalism vs nationalism
• causes of growing regionalism
• is regionalism good or bad?

World history

1. Industrial Revolution
• Factors that led to industrial revolution
• Impact of industrial revolution

2. French Revolution
• Causes
• The revolution in France
• France under Napoleon

3. Nationalism in Europe
• Rise of the nation-state system
• Unification of Italy
• Unification of Germany
4. Colonialism and Imperialism
- Colonialism
- The age of Imperialism (1870-1914)
- Imperialism in Asia
- Analysis of Colonialism
- Course of Revolution
- Consequences
- Aftermath of the war
- Post-Lenin Russia

5. Emergence of USA
- Foundation of American Colonies
- The Independence of United States of America
- The American Revolutionary War
- What was the impact of American Revolution?
- Political Effects of the Revolution
- How did the American Revolution influence the French Revolution?
- US Civil War
- Impact of Civil War on USA
- Global Impact of US Civil War
- Impact on India

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

7. Russian Revolution
- Major events in pre-revolution Russia
- Causes

8. Inter-War Years (1919 To 1939)
- The Great Depression
- The Great Depression- an economic perspective
- Rise of Fascism in Italy
- Rise of Nazism in Germany
- Soviet Union (USSR)

9. World War-II
- Foundations of the war
- Course of the war
- Aftermath of war
- Analysis of the war
- Decolonization phase

10. Development In Middle East
- Democratic reforms in Middle East
- Arab nationalism
- Israel & Palestine Issue

11. Cold War
- Political philosophies
- Capitalism
- Socialism
- Communism

Geography

1. Salient features of world's physical geography
- Geomorphology
  a) Meaning & Scope of Geomorphology
  b) Internal Structure of Earth
  c) The Theory of Continental Drift
  d) Plate Tectonics theory
  e) Rocks
  f) Classification of Forces affecting the landforms
  g) Mountain Building
  h) Earthquakes & Tsunamis
  i) Volcanism
  j) Plains and Plateau

- Oceanography
  a) Ocean Bottom Relief
  b) Temperature and Salinity of Ocean Waters
  c) Ocean Currents
  d) Tides
  e) Coral Reefs
  f) Geopolitical importance of Indian Ocean

- Climatology
  a) Earth’s Atmosphere

b) Weather and Climate
  c) Air Mass, Fronts & Cyclones
  d) Climatic division of India

2. Distribution of key natural resources across the world (including South Asia and the Indian sub-continent)
- Distribution of soil
- Distribution of minerals
- Distribution of rivers
- Distribution of crops

3. Factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world (including India)
- Introduction
- Primary sector and locations
- Secondary sector and locations
- Tertiary sector and locations
- Issues in industrial development
- GOI steps
- Recommendations
4. Important Geophysical phenomena
- Earthquakes
- Tsunami
- Volcanic activity
- Cyclone etc.

5. Geographical features and their location
- Mountains
- Plains
- Plateaus
- Other features
- Degradation due to human activities

6. Changes in critical geographical features
- Human impact on geographical features as climate change, ocean acidification, water depletion, pollution, deforestation, desertification, erosion.

Post independence consolidation

- Reorganization of states
  1. Status on the eve of independence
  2. Factors that lead to merger
  3. Accession of the princely states
  4. Accession of the states under france & portugueses
  5. Accession of Sikkim
  6. Rehabilitation of refugees
  7. Federal crisis
  8. State reorganization
  9. Need of second state reorganization commission
  10. Formation of Telangana
  11. Issue of linguistic reorganization

Issues related to vulnerable section
- Tribal issues
- Caste and communalism
- Women empowerment
- Issue of linguistic minorities

Overview of economic development
- Planning in India
- Agricultural development
- Manufacturing sector
- New economic policy & its impacts

Indian Culture & History

Pre history
- Stone technology
- Rock art

Indus valley civilisation
- Chalcolithic period
- Timeline
- Regional developments
- Society
- Polity
- Culture
- Art & architecture

Vedic period
- Early vedic period
  - Society
  - Technology
  - Geography
  - Literature
  - Vedic philosophy
- Later vedic period
  - Society
  - Later schools of hindu philosophy

Post vedic period (600-400 BC)
- Rise of Buddhism and Jainism

Mauriyan period (400 – 200 BC)
- Development of literature
  - Kautilya's shastras
  - Magasthenes
- Policy of dhamma
- Stupa art
- Rock cut cave art

Post Mauriyan period (200 BC – 300 BC)
North India
- Attacks by foreigners
  - Sakas
  - Kushans
  - Kanishkas
- Impact on Indian Art
- Mahayana & Hinyana school
- Introduction of images of Buddha
  - Gandhara school
  - Mathura school
- Economic position
  - Indo – roman trade
South India
- Ruler: Satvahanas
- Geography
- Growth in trade
- Stupas
  - Amravati
  - Nagarjunakonda
- Rock cut architecture
  - Bombay
  - Karle
  - Kanheri

Extreme South India
- Cholas
- Cheras
- Pandayyas
- Political systems
- Sangam literature

Gupta period (300 – 550 AD)
- Social condition
- Economical condition
- Height of art and architecture
- Sanskrit literature

Post Gupta period (550 – 750 AD)
North India
- Ruler: Harshawardhana
- Accounts of Zuan Xang
- Position of society
South India
- Rulers: Chalukyas of Badami
- Vesara architecture
  - Hampi
  - Pattadakal

Early Medieval period (750 – 1200 AD)
North India
- Period of Chandela Rajputs
- Khajuraho temple architecture
East India
- Pala of Eastern India
- Tantric Buddhism
- Vikramsheela University of Eastern Bihar
- Paintings
  - Tanka paintings
  - Kalinga architecture

Delhi Sultanate period (1200 – 1526 AD)
- Indo Islamic architecture
- Rise of bhakti & sufi movement
  - Evolution of music
  - Evolution of dance
- Society and movement against rituals

Mughal period (1550 – 1761 AD)
- Mughal Dynasty
- New pieta Dura architecture
- Mughal paintings
- Pahari paintings
Vijayanagar Empire
- Contribution to literature
- Contribution to architecture

British Period (1757 – 1947)
- Catholic architecture
- New oil paintings

Modern History
1. British Conquest of India
   - Decline of Mughal empire
   - Rise of regional politics
   - India in Eighteenth Century
   - Advent of Europeans
   - Factors that led to conquest of India by British
   - Conquest of regional powers
   - Resistance of Indian powers and causes of failure
   - Evolution of British paramountcy over princely states

2. British Administration
   - British colonialism in India
   - British policies in India
   - British Economic Policies and their impact
   - Rise of capitalist class
   - Activities of Christian Missionaries
   - Governors- Generals and administration till 1857
   - Colonial administration till 1857

3. Early Resistance to British Rule
4. Nationalism in India
- Rise of nationalism in India
- Social basis of Indian Nationalism
- Rise and growth of Indian National Congress
- Policies and programmes of early nationalists
- Role of literature and news-media in freedom struggle
- Intensification of nationalist movement
- Home Rule League
- Militants and Revolutionaries
- Gadar movement

5. Indian Freedom Struggle Under Gandhi
- Gandhi in South Africa
- Non-cooperation Movement
- Civil Disobedience Movement
- Round Table Conference
- Poona Pact
- 1939 Tripuri Session
- August Offer
- Individual Satyagraha 1940-41

6. Social Reforms in British India
- Regeneration, reform and renaissance in India
- Social reformers in India
- Reforms in western India
- Reforms in south India
- Role of reformers
- Nature and limitation of 19th century renaissance
- Reasons of rise
- Caste movement in south India
- Caste movements in northern and eastern India

7. Struggle by the Masses
- Trade union movement in India
- Peasant movements in modern India
- The states people's movements
- Socialists and left bloc in congress
- Indian National Army
- Naval mutiny of 1946

8. Partition of India
- Rise and growth of communalism
- Partition of India and attainment of freedom
- Wavell Plan
- Cabinet Mission Plan
- Mountbatten Plan
Polity

1. Indian Constitution - historical underpinnings, evolution, features, amendments, significant provisions and basic structure.
   - Historical evolution of constitution since Regulating Act 1773 – Independence Act 1947
   - Constitutional Making
   - Salient features
   - Federal vs. non-federal features
   - Parliamentary vs. Presidential System
   - Centralized and decentralization features
   - India as a welfare state- Socialism
   - Amendment process
   - Rigid or flexible
   - Some important amendments
   - Process of law making in India
   - Role of constitutional and extra constitutional bodies in law making
   - Basic structure: How it evolves?
   - Preamble values
   - Different types of majorities required in Indian constitution
   - DPSP, Fundamental Rights
   - Different concepts related to constitutional terms as "Procedure established by Law, Due process of law"

2. Functions and responsibilities of the Union and the States
   - Regulating functions of Government
   - Development functions of government
   - Service providing functions of government
   - Problems in implementation
   - Recommendations for improvement
   - Interrelationship between union, state and local government in implementation of roles
   - Constitutional provisions related to financial devolution
   - Issues of financial devolution

3. Issues and challenges pertaining to the federal structure
   - Administrative relations
   - Legislative relations
   - Financial relations
   - Misuse of article 356
   - Issues related to appointment of governor
   - Issues related to state formation
   - Poor devolution of finances
   - Reserving bill for Presidential approval
   - Central sponsored schemes and issues
   - Special package for different states
   - Issues between centre and state after 1990 reforms
   - Foreign policy and centre and state relations

4. Separation of powers between various organs dispute redressal mechanisms and institutions.
   - Features in American and UK constitution
   - Whether present in India or not?
   - Checks and balances provisions in Indian constitution
   - Judicial Review
   - Concept of separation of powers

6. Comparison of the Indian constitutional scheme with that of other countries
   - It should cover Comparison of USA, UK, India and neighbours

7. Parliament and State Legislatures – structure, functioning, conduct of business, powers & privileges and issues arising out of these
   - Functions of Parliament
   - Composition of RajyaSabha
   - Composition of LokSabha
   - Composition of Legislative assembly and Legislative Council
   - Qualification and disqualification of MPs and MLAs
   - Vacation of seats
   - Sessions of parliament
   - Law making procedure
   - Officers of Parliament and state legislature
   - Parliament Proceedings
   - Motions and resolutions in Parliament
   - Powers and Privileges
   - Financial proceedings
   - Comparison of LokSabha and RajyaSabha
   - Comparison of Legislative assembly and council
   - Women reservation in Parliament and issues
   - Lowering of Parliamentary powers
   - Parliamentary committees
   - Judicial activism and Parliament

8. Structure, organization and functioning of the Executive and the Judiciary Ministries and Departments of the Government; pressure groups and formal/informal associations and their role in the Polity
   - President
   - PM
   - CoM
   - Attorney General of India
   - Governor
   - Chief Minister
   - Advocate-General
   - Issues
   - Ordinance making power Passage of bills
   - Misuse of emergency provisions
1. Pardon power
2. Coalition government
   • Supreme court
   • The role of the Supreme Court of India as guardian of the Constitution and protector of Fundamental Rights
   • Judicial Review

10. Pressure groups and formal/informal associations and their role in the Polity
   • What are pressure groups?
   • Types
   • The significance of pressure groups in India
   • Differentiate between a pressure group and a political party
   • Evaluation of pressure groups role

11. Appointment to various Constitutional posts, powers, functions and responsibilities of various Constitutional Bodies
   • CAG of India
     1. Appointment of CAG (procedure of appointment) - composition of CAG
     2. Functions and responsibilities of CAG
     3. Powers and privileges of CAG (provided by constitution and different ACTs of Parliament.)
   • Election commission of India.
     1. Appointment of ECI (procedure of appointment) - composition of ECI
     2. Functions and responsibilities of ECI
     3. Powers and privileges of ECI (provided by constitution and different ACTs of Parliament.)
   • UPSC
     1. Appointment to UPSC (procedure of appointment) - composition of UPSC

Governance mechanism
   • Legislative process and non state actors
     1. Self Help Groups
        • Meaning
        • Importance
        • Objectives
        • Institutional Structure and organization
        • Funding
     2. Non-Government Organizations
        • What are NGOs?
        • Difference between Non Government Organizations (NGOs) and International Non Government Organizations (INGOs)
        • United Nations Criteria for INGO and NGO

Governance
   3. Main areas of activities of NGOs and INGOs
      • NGOs and development projects
      • NGOs and Community development
      • NGOs involved in relief and rehabilitation
      • NGOs involved in disaster management
      • NGOs and advocacy
   4. Issues
      • Financial accounting
      • Economic woes
      • Accountability

Government policy & interventions
   • Indian welfare timeline
   • Primary education
      • Importance of education
Interlinkages with other sectors
- Government Initiatives
  - Sakshar Bharat
  - Beti Bachao Beti Padhao
  - RTE
  - Sarva Shiksha Abhayan
  - Mid day meal scheme
  - Pt. Madan Mohan Malvia TTP
  - Rashtriya shiksha yojana
- Critical review of steps taken by government

**Higher education**
- Primary problems in higher education
  - Inclusivity
  - Capability
  - Access
- Mechanism to provide higher education
  - Central university
  - State university
  - Private university
  - Deemed to be university
  - Institute of national importance
- Analysis of development so far
- Critical analysis of government initiatives
- Overall review of sector
  - Problems
  - Impacts
  - Solutions

**Skill development and entrepreneurship**
- Objectives of skill development
- National skill development & entrepreneurship policy 2018
- Assessment so far
  - Criteria of skill development
  - Skill development
  - Entrepreneurship development
- Challenges of skill development in India
  - Political
  - Economic
  - Socio cultural
- Start ups in India
  - Defining start ups
  - Start up India initiative
    - Objectives
    - Funding & support mechanism
    - Industry – academia partnership
  - Way forward
  - PMKV
  - Atal Innovation mission
  - Critical analysis of skill development sector

**Health**
- Primary problems in health sector
  - Double burden of diseases
  - Lack of preventive health care
  - Catastrophic expenditure
  - Role of state government
- SDG and India
- Condition of sexual health care in India and initiatives launched
- Universal health coverage
  - Insurance
  - Health for all
  - Environmental health
  - Tobacco control
- Initiatives in Health care sector
  - AYUSH
- Critical analysis of health sector

**Good Governance**
- Historical background
- State’s role in good governance
- Aspects of good governance
  - Accountability
    - Meaning
    - Mechanism
    - Types
      - Vertical
      - Horizontal
  - Transparency
    - Meaning
    - Objective
    - How it contributes to good governance
  - Responsive
    - Meaning
    - Relation with good governance
  - Effective
    - Meaning
    - Need of effectiveness
    - Major reforms taken to enhance effectiveness
  - Inclusive government
    - Meaning of inclusiveness
    - Government initiatives
  - Rule of law
    - Meaning
    - Need
E – governance:-
- Meaning
- Recent applications of e- governance
  - BHIM
  - Aadhar enabled payment system
  - Digital India mission
  - E – kranti
- Challenges
- Governmental initiatives
  - Construction of digital infrastructure
  - Digital empowerment
- How e – governance helps vulnerable
  - AIC app
  - NARI
  - She box
  - Use of Big Data
- Use of block chain technology in e – governance
- Rattan watal committee
- PRAGTI excercise

INTERNATIONAL RELATIONS

Basic concepts of international relations
- Alliance
- Strategic partnership
- Joint naval exercises
  - Covert patrolling
  - Overt patrolling
- Historic consciousness of the nation
- Diplomacy
- Balance of power
- Concept of power
- Current prospective of IR:-
  - Domestic
  - International
  - Individual

India & south east Asia
- Phase 1 : 1947 – 1962
  - Successes
  - Failures
Commercial diplomacy
- Loans
- Line of credit
- Oil trade with Vietnam

South china sea dispute
- Timeline of dispute
- Concept of zoning
- Concept of arching
- Reasons of dispute

India & Africa
- Historical overview
- Modern africa
- Different phases of engagement
  - Phase 1st: 1950 – 1960
  - Phase 2nd: 1960 – 1970
  - Phase 4th: 1992 – 2000
  - Phase 5th: 2000- present
- Significance of Africa for India
  - Energy
  - Investment
  - Location
  - India’s Africa policy
    - Indian technical & economic cooperation
    - Pan Africa e – network project
    - Team 9
    - New Economic Partnership for African Development
    - India Africa Forum Summit

Israel Palestine Issue
- International organisations that India is part of
  - ADB
  - AfDB
  - ASEAN
  - BIMSTEC
  - BIS
  - BRICS
  - Commonwealth of nations
  - Communities of democracies
  - CERN
  - Colombo Plan
  - East Asia Summit
  - Financial action task force on money laundering
  - G-15
  - G-20
  - G-24

G-77
- International Atomic Energy Agency
- International bank of reconstruction and development
- ICAO (International civil aviation organisation)
- International Chamber of Commerce
- International Red cross
- International development Association
- International Fund for Agricultural Development
- International Finance Corporation
- International Hydrographic organisation
- International labour organisation
- International monitory fund
- International maritime organisation

India & Its Neighbourhood
Nature of Indian neighbourhood
Overview of policy framework
- Gujral doctrine
- Look east & act east policy
- Neighbourhood first policy
  - Objectives
  - Limitations
    - Globalisation
    - MAD (Mutually assured destruction)
- Soft power
  - Cultural values
  - Political value system
  - Foreign policy
- Smart power

China – Indian Relations
- Historical background
  - 1950 – 1962
  - 1962 – today
- Boundary disputes
- Doklang standoff
  - Role of neighbours
  - Official stand of neighbours
  - Impacts on relations
- China’s policy of ‘crippling encirclement’
- String of pearls policy
- China’s Grand strategy
- One Belt One Road project
  - Indian objections
  - Counter actions taken by India
- Trade deficit Issue
- U.N. security council Issue
### India – Pakistan relations
- **Historical background**
  - Krachi agreement
  - 1965 war
  - 1971 war & Simla agreement
  - Insurgency & proxy war
  - Kargil war
- **Siachen issue**
- **Sir Creek issue**
- **Indus – water treaty**
- **Balochistan issue**
- **Vienna convention & Kulbhushan Jadhav**
- **MFN status to Pakistan**

### India – Afghanistan
- **Historical background**
- **Indian interest in Afghanistan**
- **Strategic partnership agreement**
- **India – Afgan trade**
- **Peace process in Afghanistan**
  - Quadrilateral coordination group
  - Global conference on Afghanistan
  - Heart of Asia conference
  - New US policy towards south Asia and Afghanistan
- **Issue of India’s membership of SCO**
- **Indian stand in Afghanistan’s peace process**

### India – Nepal relationship
- **Reasons of historic friendship between India & Nepal**
- **Why Nepal is going closer to China?**
- **Importance of Nepal**
- **Way forward**

### India – Bhutan
- **Why Bhutan is important to India?**
- **Matters of concern between India and Bhutan**
  - Silence on Doklam issue
  - BBIN issue

### India – Bangladesh
- **Historical background of relations**
- **Problems in relations**
  - Border issues
  - Boundary disputes
  - Water sharing issues
- **Domestic politics in Bangladesh**
- **India – Bangladesh agreements**: Cyber security, Nuclear agreements, MoU on defence cooperation, Infrastructure development of Sylhet, Operationalisation of Border Hearts, Joint drills between BGB and BSF

### India – Myanmar Relations
- **Background of relations**
- **Act Asia Policy**
  - India – ASEAN trilateral highway
  - Energy security
  - Economic development of north – east India
  - Security of North – Eastern state
  - Important for regional cooperation
- **Domestic politics of Myanmar**
- **Rohingya refugee crisis**

### India – Sri Lanka Relations
- **Historic links between India and Sri – Lanka**
- **Composition of S.L. population**
- **India’s flagship project**
- **Developmental cooperation**
- **India aid to S.L.**
- **Fishermen problem**
- **Role of China in India – Sri Lanka relations**
- **India’s Balance of Power**

### India – Maldives relations
- **Background of relations**
- **Domestic politics of Maldives**
- **Operation cactus**
- **India – S.L. – Maldives trilateral security initiative**
- **2016 – India – Maldives action plan**
- **Economic relations**
- **Development cooperation**
- **China’s interest in Maldives**

### United Nation
- **Creation of UN**
- **Working of UN**
- **Structure of UN**
- **Analysis of working of U.N.**
- **New initiative mechanism of U.N.**
  - Agenda for peace report
  - Resolution to protect resolution

### SAARC
- **12 – 6 – 7 sanctions committee**
- **U.N. reforms**
Formation
Comparison with EU & ASEAN
Reasons of failure

Other south Asian grouping
- SAPTA
- SAFTA
- Limitations to free trade in south Asia

India – U.S. Relations
- Background of relations
- Defence partnership of INDIA and USA
- New U.S. policy on south Asia & Afghanistan
- Global Entrepreneurship Summit
- Conflicts
  - H1B visa issue
  - Policy on Palestine & Israel
  - U.S’s Iran policy
  - Climate Change negotiations
  - WTO negotiations
- Critical analysis of U.S. – India relations

QUAD (Australia – India – U.S.A. – Japan)
- Aim
- Effects on world politics

India north – Korea relations
- Background of relations

India – Russia relations
- Background of relations
- Putin’s aggressive foreign policy
- India – Russia Strategic partnership
- Present areas of cooperation
  - Military partnership & defence equipment partnership
  - Reasons for huge defence imports from Russia
  - Economic trend
  - Energy sector
- Concerns for India

NPT
- Aim of treaty
- Why India is refusing to sign
- Implications on foreign relations

India – central Asia relations
- India’s connect central Asia policy
- Areas of cooperation
  - Energy
  - Strategic importance trade
  - Security
- Concerns for India – Central Asia relations
General Studies III
## Basics of economics

### National income
- Measures of national Income
  - GDP
  - GNP
  - NNP
  - Personal Income
  - Disposal Income
- GDP deflator
- Methods to measure national Income
  - Product method
  - Income method
  - Expenditure method
- ICOR
- Income estimates in India
- IIP
- PMI

### Poverty
- Types of poverty
  - Absolute
  - Relative
- Estimation of poverty in India

### Unemployment
- Activity status
- Approaches to measure unemployment
  - Usual activity status
  - Current weekly status
  - Current daily status
- Types of unemployment
- Lorentz curve
- Gini coefficient
- Kuznet Curve
- Engel’s law

### Indian financial system
- Money markets
  - RBI
  - Functions of RBI
  - Methods of credit control
    - Qualitative
    - Quantitative
  - Composition of money markets
    - Organised
      - Cooperative banks
    - Unorganised
      - Commercial banks
      - Regional rural banks
      - Sub markets
- Capital markets
  - Defining NBFCs
  - Composition & functions of capital markets
    - Security market
      - Government security market

### Public finance
- General budget
  - Consolidated fund of India
  - Public account of India
  - Contingency Fund of India
- Receipts
  - Revenue
  - Capital
- Expenditure
  - Revenue
  - Capital
- Deficit
  - Budget deficit
  - Revenue deficit
  - Fiscal deficit
- Inflation & deflation
  - Measurement of inflation
    - WPI
    - CPI – IW
    - CPI – UNME
    - CPI – AL
    - CPI – RL
  - Types of inflation
  - Factors affecting inflation
  - Effects of inflation
  - Measures to control inflation
  - Deflation
  - Philip curve
  - Stagflation
  - Disinflation
  - Relflation
  - Base effect
  - Core inflation

- Growth Story of India
  - Economy on the eve of independence
    - Condition of agriculture
    - Condition of industry
    - Condition of foreign trade
    - Condition of demography

- Organisation of economy
  - Capitalist
  - Socialist
  - Market economy

- Planning in India
  - Major objectives of planning
  - What is economic planning
  - Essentials of a good plan
  - Characteristics of planning in India

- Brief story of planning in India
  - Nehruvian socialist economy
    - Critical review of this period
      - Why was it adopted?
      - Shortcomings
      - Gains
  - Economic reforms
    - 1st generation reforms
      - Review of reforms
        - Need?
        - Positives
        - Negatives
    - 2nd generation reforms
      - Review of reforms
        - Need?
        - Positives
        - Negatives
    - Structural changes in the economy since 2002

- Critical analysis of planning
  - How different sectors performed during years
    - Agriculture
    - Infrastructure
    - Industry
    - Services sector

- External sector
  - Balance of payment
    - Current account
    - Capital account
  - Forex reserves
  - Foreign exchange
    - Depreciation
    - Appreciation
    - Devaluation
    - Revaluation
  - Purchasing power parity
  - Convertibility
    - Current account convertibility
    - Capital account convertibility
  - Barriers to trade
    - Tariff barriers
    - Non-tariff barriers
  - Economic integration
  - Rule of origin
  - NEER & REER

- World trade organisation
  - Historical background
  - Principles of WTO
  - Structure of WTO
  - Agreements

- Industrial security market
  - Development financial institutions
  - Financial intermediaries
Issues Faced by Indian Economy

RESOURCE MOBILISATION

- Types of resources
  - Physical resource
  - Financial resources
- Need for resource mobilisation
- Resource mobilisation in India
  - Taxation
    - Trends and patterns of taxation in India
    - Issues with taxation in India
    - Way out
  - Public debt
    - Trends of public debt
    - Issues related to debt
    - Way out
  - Fiscal policy
    - Issues with fiscal policy in India
    - Way out
  - Monetary policy
    - Issues with monetary policy
    - Reforms taken by government
    - Way out
  - Foreign investment
    - Trend of foreign investment in India
    - Issues
    - Reforms taken by government
    - Way out
- Physical resources in India
  - Issues
  - Way out

Inclusive growth and issues arising from it

- Meaning and concept of Inclusion
- Why India’s growth is not inclusive
- Public distribution schemes: Way to inclusive growth.
- Financial inclusion as an instrument of inclusive growth.
- Poverty Alleviation and Employment Generation as a strategy for inclusive growth.
- Social sector development as an instrument for inclusive growth.
- Public private partnership for inclusive growth.
- Industrial Integration for inclusive growth.
- Sectoral and regional diversification as a tool for inclusive growth.

Government Budgeting

- Flaws in budgeting process
- Budget analysis

Industrial policy and industrial development:

- What is an industrial policy?
- Evolution of India’s industrial policy
- Phases of Industrial development
  1. Foundational Phase till 1966
  2. Phase of recession and retrogression between 1966-1979
  3. Phase of revival in 1980s till 1990
  4. Phase of reforms since the New Economic Policies, New Industrial policy 1991
- Current issues faced by Industrial development in India
- Issues with SEZ
- Way forward

Infrastructure: Energy, Ports, Roads, Airports, Railways, etc

- Hard Infrastructure
  1. Transport Infrastructure
  2. Energy Infrastructure
  3. Water management infrastructure
  4. Communication Infrastructure
  5. Solid waste management
  6. Earth monitoring and measuring networks
- Soft Infrastructure
  1. Governance Infrastructure
  2. Economic infrastructure
  3. Social infrastructure
- The Present issues with Infrastructure in India
  1. Roads and Railways
  2. Electricity
  3. Irrigation
  4. Airports and sea ports
  5. Education Infrastructure
  6. Health Infrastructure
- Infrastructure development programmes in India – the Golden Quadrilateral, National Highway Development Programme, Industrial Corridors, Manufacturing hubs, Sethusamudram project, J&K railway project, weather forecast and disaster management,
Important issues
1. Ownership and financing
2. Pricing of Public utilities
3. Infrastructure as avenues for investment
4. Project delays-reasons and measures to overcome
5. Public Private Partnership and related issues
6. Operation and Maintenance of roads, railways, irrigation and power projects-
7. Impact of Infrastructure - Economic Impacts, impact on social development, Environmental impacts

Investment models and critical issues.

Role of Agriculture in Indian Economy
Issues pertaining to agricultural sector.

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

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

Agriculture Finance
- Introduction
- Need for Agricultural Finance
- Sources of Agricultural Finance
- Measures taken to improve credit flow to agriculture
- Problems of Agricultural Finance

Crop Insurance in India
- Introduction
- Historical Background
- Issues Related to Crop Insurance
- Pradhan Mantri Fasal Bima Yojana
- Challenges

Agriculture Marketing
- Introduction
- Process of Agricultural Marketing in India
- Importance of Proper Agriculture Marketing
- Government Measures to Improve Agricultural Marketing in India

Subsidies
- What is subsidy?
- Objectives of subsidies
  1. Transfer of resources from gainers from economic policies to losers from economic policies
  2. Enhancing welfare
  3. Enhancing productivity
  4. Setting the terms of trade right
  5. Raising the competitiveness of the products
  6. Political expediency and populism
  7. Need for incentives to use modern inputs
- Are subsidies sustainable in the long run?

Agricultural Revolutions in India
- Green Revolution
- White Revolution – Operation Flood
- Yellow Revolution
- Blue Revolution
- Golden Fiber Revolution: Jute

Food Processing
- Processed Foods Scenario in India
- Policy Initiatives
- Government Initiatives
- Issues in Food Processing Sector

Science & Technology

Space technology
- Why space tech is important
- History
- Indian space programme
- Sub centers of ISRO
- How does satellite works
- Types of satellites

- Launch vehicles
- Future goals
- Air breathing propulsion system
- Advanced technology vehicle
- Extra planetary missions

Astrophysics
Chandrashekar limit
Formation of Normal star
Formation of massive star
Formation of black hole
Contribution of Albert Einstein in understanding gravity
Electro-magnetic forces
Nuclear fusion
Neutrino oscillations
Matter & anti matter

Information technology
- Client server model
- Internet
- Internet governance
- WWW
- IPv6 vs IPv4
- ICANN
- Computer network classification

Electromagnetic spectrum
- Optical communication
- Broad band
- Intranet
- Wireless technologies
- LiFi
- Cloud computing
- Internet of things

Mobile technology
- Evolution from 1g to 5g

Contribution of India in Science and technology
- Funds allocated

ROBOTICS
- Background
- Classification of robots
- Application of robots
- Robots and artificial intelligence
- Concerns with AI
- Way forward
- Cyberphysical systems

Nano technology
- History of nano tech
- Nano materials
- Classification of origin
- Applications
- Nano composites
- Recent development in nano technology

Biotechnology
- Chromosomes
- Chromosomal abrations
- Cloning
- 3 parent baby
- Designer baby
- Human genome project
- Recombinant DNA
- GM crops
- Developments in the field of curing cancer
- DNA fingerprinting

Environment & ECOLOGY

1. Basic Introduction
- Concept of environment
- Types of environment
- Concept of Biosphere
- Concept of Ecosystem
- Input and output of an ecosystem
- Components of ecosystem
- Characteristics of an ecosystem
- Food chains and food webs
- Trophic levels
- Ecological pyramids
- Laws related to ecology
- Geochemical Cycles

2. Biodiversity
- What is biodiversity?
• Traditional methods of biodiversity conservation
• Initiatives in India

4. Water resource degradation
• Ocean resource degradation
• Groundwater degradation
• Surface water degradation
• Water management

5. Climate change and environment
• Introduction
• Causes
• Impact
• Initiatives
• Future initiatives
• Some new technologies to overcome climate change
• National treaties
• International treaties
• Analysis of treaties
• Country specific initiatives (some important)
• Disparity between developed and non developed on environment issues

6. Environment and urbanization
• Water degradation in urban areas
• Pollution in metros
• e-waste Management and Handling
• Disposal of untreated sewage
• Real estate boom and environment degradation
• Haphazard construction in hilly areas and impact
• Environment clearance and development issue
• Polythene bags and pollution
• Impact of tower radiation

7. Mining and environment
• Impact of mining on environmental degradation
• Issue of displacement

8. Agriculture and environment
• Green revolution and its impact
• GM food and its impact
• Irrigation issues
• Contamination of land and water
• Desertification
• Deforestation

9. Renewable Energy
• Solar energy
• Hydro energy
• Tidal energy
• Wind energy
• Biomass
• Geothermal energy
• Concept of green cities
• Concept of green building
• Initiatives in India

10. Environmental impact assessment
• Meaning
• Process of EIA
• Process of EIA in India
• Organizations involved in EIA in India
• Advantages of EIA
• Economic development and EIA linkage

11. Concept of Sustainable Development
• What is sustainable development
• Sustainable agriculture
• Sustainable forest management
• Industrial waste management
• Water resource management
• Initiatives in India

Disaster Management

Disaster Management Basics
1. What is a Disaster?
2. Classification of Disasters
3. Nodal Ministries
4. Natural Disasters in India
5. Man-made Disasters in India
6. Disaster Management Institutions in India
7. Disaster management and technology
8. Second ARC Recommendations

CONTEMPORARY Disaster Management Issues
10. Mining accident: manmade disaster
11. Stampede: Manmade disaster
12. Urban flooding
13. Climate refugees
14. Forestfire
### Attitude
- Defining moral complex
- Functions of moral complex
- Psychological backing of attitude
- Inter-relation between ethics, values, morals and attitude
- Nature of moral complex
- Distinction between morals, ethics, values and attitude
- Development of moral complex
  - Socialisation
  - Agencies of socialisation
    - Style of parenting
    - Role of mother
    - Role of father
  - School
    - Curricular activities
    - Extra-curricular activities
    - Role of teachers
    - Peer group
  - Religion
  - Work socialisation
  - Relation between socialisation, behaviour & moral system formation
- Receivers characteristics
  - Self – esteem
  - Anxiety
  - Intelligence
  - Selective exposure
- Models of persuasion
- Social Influence
  - Mechanisms of social influence
    - Conformity
      - Reasons of conformity
      - Reasons for resistance
    - Compliance
      - Techniques of compliance
        - Linking
        - Reciprocity
        - Scarcity
    - Obedience
      - Reasons of obedience
        - Transfer of responsibility
        - Badges
        - Gradual escalation
      - Destructive obedience

### Persuasion
- Elements of persuasion
  - Persuader
  - Persuade
  - Persuasive appeal
  - Channel of communication
- Process of persuasion
  - Attention
  - Comprehension
  - Acceptance
  - Retention
- Barriers to persuasion
  - Semantic barriers
  - Psychological barriers
  - Physical barriers
- Characteristics of source
  - Credibility
  - Attractiveness
  - Power
- Mechanism of persuasion
- Message characteristics of persuasion
  - Discrepancy
  - Fear appeal
  - Drawing conclusion
  - Emotional vs factual appeal
  - Channel factors

### Attitude
- Characteristics of attitude
- Components of attitude
  - Cognitive
  - Affective
  - Behavioural
- Linkages between cognitive, affective and behavioural component
- Functions of attitudes
  - Needs
  - Ego defensive function
  - Knowledge
  - Value expression

### Emotional Intelligence
- Defining emotions
- Characters of emotions
- Background of E.I.
- Defining E.I.
- Stages of E.I.
- Components of E.I.
  - Self awareness
  - Motivation
  - Regulation
  - Empathy
Values for civil services
- Bureaucratic values
  - Impartiality
  - Neutrality
  - Accountability
  - Efficiency
  - Effectiveness
  - Regularity
- Democratic values
  - Tolerance
  - Empathy
  - Compassion
- Prerequisite of value system
  - Courage
  - Delayed gratification

Moral relativism
- Subjectivism
- Emotivism

Moral thinkers
- Socrates
- Kant’s Deontological ethics
- Aristotle

Justice
- Hayek
- John Rawls
- Nozick

Indian ethical system
- Charvaka
- Jaina philosophy
- Buddhism
- Kohlberg’s theory of moral development

PUBLIC AD.

Governance
- Attributes of governance
  - Continuous process
  - Demand driven
  - Neutral terms
  - Outcome oriented
- Good governance
  - Consensus
  - Rule of law
  - Transparency
  - Responsive
  - Equity & inclusiveness
  - Effective & efficiency
  - Accountability
- Promotion of good governance
  - Political initiatives
  - Legal initiatives
  - Administrative initiatives
  - Corporate initiatives
  - Social initiatives
- Ethical governance

Features of public administration
- Bureaucratic anonymity
- Impersonal bureaucracy
- External financial control
- Consistency

Concept of public service
Values in public services
- Work oriented
- Public oriented
- Superior oriented
- Subordinate oriented

Concept of dedication

Neutrality in administration
- Advantages of neutrality
- Dealing with orders and pressure
- Resignation as moral tool
- Accountability
  - Elements of accountability
  - Features of accountability
  - Advantages of accountability
- Social accountability
  - Stages of Social accountability
  - Tools of Social accountability
- Elements in ethical governance
- Status of ethics in public administration
  - Subjectivity vs objectivity
  - Means vs ends
  - Personal vs collective welfare
- Problem of ethics in public administration

Laws, rules & regulations

Philosophical basis of administrative ethics
- Deontological
- Teleological

Concept of conscience
- Basic features of conscience
- Conscience in relation with rules & laws

Value development
- Elements of value development
  - Recruitment
  - Training
  - Performance appraisal
  - Code of ethics
  - Motivation
  - Leadership
  - Encouraging ethical behaviour
  - Evaluation of value development

Ethical concerns in private institutions
- Parameters
- Actions taken to resolve the concerns

Resolving ethical dilemma
- Utilitarian approach
- Rights approach
- Justice approach
- Common good approach
- Virtue approach

Quality of service delivery
- Reliability
- Assurance
- Tangible
- empathy
- responsiveness

Ways of improving service quality
- Transparency & information sharing
- Promoting citizen centric engagement
  - Info. Dissemination
  - Capacity building
  - Grievance redressal
  - Institutionalisation
- Challenges to citizen engagement
- SEVOTTAM
- Right to service bill 2011

Challenges of corruption
- Societal prospective
- Political prospective
- Administrative prospective
- Judicial prospective

Corporate governance
- Defining corporate governance
- Role of Stakeholders
  - Shareholders
  - Management
  - Board of directors
  - Auditors
- Pillars of corporate governance
  - Accountability
  - Fairness
  - Transparency
  - Independence

Corporate governance in India
- Mandatory recruitment of clause 49
  - Share holder rights
  - Disclosure & transparency
  - Composition of board of directors
  - Audit committee
  - Annual report
- Non – Mandatory recruitment of clause 49
- Companies act (2013)
  - Salient features
  - Crisis of business ethics

Corporate social responsibility

Ethical issues in international relations
- Need for its consideration
- Ethical dimensions of IR
  - Universality of values
  - Security
  - Foreign assistance
  - Trust
- Principles of ethics in IR
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