

# KALAM ACADEMY

## GROUP- I – INDIAN ECONOMY

S.NO	SUBJECT
1.	Nature of Indian Economy
2.	Five-Year Plan Models-an assessment
3.	Land reforms & agriculture
4.	Application of science in agriculture
5.	Industrial growth
6.	Capital formation and investment
7.	Role of public sector & disinvestment
8.	Development of infrastructure- National income
9.	Public finance & fiscal policy
10.	Price policy & public distribution
11.	Banking, money & monetary policy
12.	Role of Foreign Direct Investment (FDI)
13.	WTO-globalization & privatization
14.	Rural welfare oriented programmers
15.	Social sector problems-population, education, health, employment, poverty
16.	HRD – sustainable economic growth- Economic trends in Tamil Nadu
17.	Energy Different sources and development
18.	Finance Commission
19.	Planning Commission
20.	National Development Council

## GROUP- I – INDIAN POLITY

S.NO	SUBJECT
1.	Constitution of India
2.	Preamble to the constitution
3.	Salient features of constitution
4.	Union, State and territory
5.	Citizenship-rights amend duties
6.	Fundamental rights
7.	Fundamental duties
8.	Human rights charter
9.	Union legislature
10.	Parliament
11.	State executive
12.	State Legislature-assembly
13.	Status of Jammu & Kashmir
14.	Local government-panchayat raj
15.	Tamil Nadu-Judiciary in India
16.	Rule of law/Due process of law
17.	Indian federalism
18.	center – state relations
19.	Emergency provisions
20.	Civil services in India
21.	Administrative challenges in a welfare state
22.	Complexities of district administration
23.	Elections - Election Commission Union and State
24.	Official language and Schedule-VIII
25.	Amendments to constitution
26.	Schedules to constitution
27.	Administrative reforms & tribunals- Corruption in public life

28.	Anticorruption measures
29.	Central Vigilance Commission, lok-adalats, Ombudsman, Comptroller and Auditor General of India.
30.	Right to information
31.	Central and State Commission
32.	Empowerment of women
33.	Voluntary organizations and public grievances redressal
34.	Consumer protection forms



**GROUP- I – HISTORY AND CULTURE OF INDIA AND TAMIL NADU**

<b>S.NO</b>	<b>SUBJECT</b>
1.	Pre-historic events
2.	Indus valley civilization
3.	Vedic, Aryan and Sangam age
4.	Maurya dynasty
5.	Buddhism and Jainism
6.	Guptas, Delhi Sultans, Mughals and Marathas
7.	Age of Vijayanagaram and the bahmanis
8.	South Indian history
9.	Culture and Heritage of Tamil people
10.	Advent of European invasion
11.	Expansion and consolidation of British rule
12.	Social reforms and religious movements
13.	India since independence
14.	Characteristics of Indian culture
15.	Unity in diversity-race, colour, language, custom
16.	India-as secular state
17.	Organizations for fine arts, dance, drama, music-Growth of rationalist, Dravidian movement in TN
18.	Political parties and populist schemes
19.	Prominent personalities in the various spheres
20.	Arts, Science, literature and Philosophy
21.	Mother Teresa, Swami Vivekananda, Pandit Ravishankar, M.S.Subbu lakshmi, Rukmani Arundel and J.Krishnamoorthy etc.

## GROUP- I – INDIAN NATIONAL MOVEMENT

S.NO	SUBJECT
1.	National renaissance
2.	Early uprising against British rule-1857 Revolt
3.	Indian National Congress
4.	Emergence of national leaders-Gandhi, Nehru, Tagore, Netaji
5.	Growth of militant movements
6.	Different modes of agitations
7.	Era of different Acts & Pacts
8.	World war & final phase struggle
9.	Communalism led to partition
10.	Role of Tamil Nadu in freedom struggle
11.	Rajaji, VOC, Periyar, Bharathiar & Others
12.	Birth of political parties /political system in India since independence

## GROUP- I – GEOGRAPHY

S.NO	SUBJECT
1.	Earth and Universe
2.	Solar System
3.	Atmosphere hydrosphere, lithosphere
4.	Monsoon, rainfall, weather and climate
5.	Water resources-rivers in India
6.	Soil, Minerals & natural resources
7.	Natural vegetation - Forest & Wildlife
8.	Agricultural pattern, livestock & fisheries
	Transport & Communication
9.	Social geography – Population – density and distribution
10.	Natural calamities – disaster management
	Climate change – impact and consequences
	Mitigation measures – Pollution control

## GROUP- I – CURRENT EVENTS

S.NO	SUBJECT
<b>HISTORY</b>	
1.	Latest diary of events-national
2.	National symbols
3.	Profile of States
	Defence, national security and terrorism
	World organizations – pacts and summits
4.	Eminent persons & places in news-Sports & games
5.	Books & Authors
6.	Awards & honors
	Cultural panorama
	Latest Historical events
7.	India and its neighbors
	Latest terminology
	Appointments – who is who?
<b>POLITICAL SCIENCE</b>	
	India's foreign policy
	Latest court verdicts - Public opinion
1.	Problems in conduct of public elections
2.	Political parties and political system in India
3.	Public awareness & General administration
	Role of Voluntary organizations & Government
4.	Welfare oriented government schemes, their utility
<b>GEOGRAPHY</b>	
1.	Geographical landmarks – Policy on environment and ecology
<b>ECONOMICS</b>	
1.	Current socio-economic problems – New economic policy & Government Sector
<b>SCIENCE</b>	
1.	Latest inventions on science & technology – Latest discoveries in Health Science – Mass media & communication

## GROUP- I – PHYSICS & CHEMISTRY

S.NO	SUBJECT
<b>PHYSICS</b>	
1.	Nature of Universe
2.	General Scientific laws
3.	Scientific instruments
4.	Inventions and discoveries
5.	National scientific laboratories
6.	Science glossary
7.	Mechanics and properties of matter
8.	Physical quantities, standards and units
9.	Force, motion and energy
10.	Electricity and Magnetism
11.	Electronics & communications
12.	Heat, light and sound
13.	Atomic and nuclear physics
14.	Solid State Physics-Spectroscopy
15.	Geophysics
16.	Astronomy and space science.
<b>CHEMISTRY</b>	
1.	Elements and Compounds
2.	Acids, bases and salts
3.	Oxidation and reduction
4.	Chemistry of ores and metals
5.	Carbon, nitrogen and their compounds
6.	Fertilizers, pesticides, insecticides
7.	Biochemistry and biotechnology
8.	Electrochemistry
9.	Polymers and plastics

## GROUP- I – BOTANY & ZOOLOGY

S.NO	SUBJECT
<b>BOTANY</b>	
1.	Main Concepts of life science
2.	The cell-basic unit of life
3.	Classification of living organism
4.	Nutrition and dietetics
5.	Respiration
6.	Excretion of metabolic waste
7.	Bio-communication
<b>ZOOLOGY</b>	
1.	Blood and blood circulation
2.	Endocrine system
3.	Reproductive system
4.	Genetics the science of heredity
5.	Environment, ecology, health and hygiene
6.	Bio- diversity and its conservation
7.	Human diseases including communicable and non-communicable diseases- prevention and remedies
8.	Alcoholism and drug abuse
9.	Animals, plants and human life



## GROUP- I – APTITUDE & MENTAL ABILITY

1.	Conversion of information to data
2.	Collection, compilation and presentation of data
3.	Tables, graphs, diagrams
4.	Parametric representation of data
5.	Analytical interpretation of data
6.	Simplification
7.	Percentage
8.	Highest Common Factor (HCF)
9.	Lowest Common Multiple (LCM)
10.	Ratio and Proportion
11.	Simple interest
12.	Compound interest
13.	Area-Volume-Time and Work
14.	Behavioral ability
15.	Basic terms, Communications in information technology
16.	Application of information and Communication Technology (ICT)
17.	Decision making and problem solving

### LOGICAL REASONING

**Logical Reasoning** – Puzzles- Dice - Visual Reasoning - Alpha numeric Reasoning - Number Series - Logical Number/Alphabetical/Diagrammatic Sequences.