

KALAM ACADEMY

GROUP-I – MAIN EXAMINATION

PAPER – I – GENERAL STUDIES

(DEGREE STANDARD) (DESCRIPTIVE TYPE)

Unit – I

Modern history of India and Indian culture :-

Advent of European invasion- Expansion and consolidation of British rule - Effect of British rule on socio-economic factors - Social reforms and religious movements - India since independence - Characteristics of Indian culture - Unity in diversity - race, colour, language, custom - India - a secular state - Organizations for fine arts, dance, drama, music - Growth of rationalist, Dravidian movement in Tamil Nadu - Political parties and populist schemes - National renaissance - Early uprising against British rule - 1857 Revolt - Indian National Congress - Emergence of national leaders - Gandhi, Nehru, Tagore, Netaji - Growth of militant movements - Different modes of agitations - Era of different Acts & Pacts - World war & final phase struggle - Communalism led to partition - Role of Tamil Nadu in freedom struggle - Rajaji, VOC, Periyar, Bharathiar & Others.

Unit – II

General Aptitude & Mental Ability :-

Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams - Parametric representation of data - Analytical interpretation of data - Percentage - Highest Common Factor (HCF) - Lowest Common Multiple (LCM) - Ratio and Proportion - Simple interest - Compound interest - Area - Volume- Time and Work – Probability - Information technology - Basic terms, Communications - Application of Information and Communication Technology (ICT) - Decision making and problem solving - Basics in Computers / Computer terminology.

Unit – III

Role and impact of science and technology in the development of India and Tamil Nadu

Nature of universe - General scientific laws - Scientific instruments - Inventions and discoveries - National scientific laboratories - Science glossary - Physical quantities, standards and units - Mechanics and properties of matter - Force, motion and energy - Heat, light and sound - Magnetism, electricity and electronics - Atomic and nuclear physics - Astronomy and space science - Elements and compounds - Acids, bases and salts - Oxidation and reduction - Carbon, nitrogen and their compounds - Natural disasters - safeguard measures - Chemistry of ores and metals - Fertilizers, pesticides, insecticides - Biochemistry and biotechnology - Polymers and plastics – Electrochemistry - Main concepts of life science - The cell -basic unit of life - Classification of living organism - Nutrition and dietetics - Respiration - Excretion of metabolic waste - Bio – communication - Blood and blood circulation - Endocrine system- Reproductive system- Animals, plants and human life - - Govt. policy /organizations on Science and Technology - Role, achievement & impact of Science and Technology - Energy - self sufficiency - oil exploration - Defence Research Organization - Ocean research and development - Genetics - the science of heredity - Environment, ecology, health and hygiene, Bio - diversity and its conservation - Human diseases, prevention and remedies - Communicable diseases and non - communicable diseases - Alcoholism and Drug abuse - Computer science and advancement - Genetic Engineering - Remote sensing and benefits.

PAPER – II – GENERAL STUDIES

(DEGREE STANDARD) (DESCRIPTIVE TYPE)

Unit – I

Indian polity and emerging political trends across the world affecting India and Geography of India

Indian polity: Constitution of India - Preamble to the constitution - Salient features of constitution - Union, state and territory - Citizenship - rights and duties - Fundamental rights - Directive principles of state policy - Fundamental duties - Human rights charter - Union executive - Union legislature – parliament - State executive - State legislature – assembly - Status of Jammu & Kashmir - Local government - panchayat raj - Indian federalism - center state relations - Judiciary in India - Rule of law /Due process of law - Emergency provisions - Civil services in India - Administrative Challenges in a welfare state - Complexities of district administration - Elections - Election Commission Union and State -Official language and Schedule – VIII - Amendments to constitution - Schedules to constitution.

a. Emerging political trends across the world affecting India

Foreign Affairs with special emphasis on India's relations with neighbouring countries and in the region - Security and defence related matters - Nuclear policy, issues and conflicts - The Indian Diaspora and its contribution to India and the world.

b. Geography of India

Earth and universe - Solar system - Atmosphere, hydrosphere, lithosphere - Monsoon, rainfall, weather and climate - Water resources - rivers in India - Soil, minerals & natural resources - Natural vegetation - Forest & wildlife - Agricultural pattern, livestock & fisheries - Transport including Surface Transport & communication - Social geography - population - density and distribution - Natural calamities - disaster management - Bottom topography of Indian ocean, Arabian Sea and Bay of Bengal - Climate change - impact and consequences - mitigation measures - Pollution Control.

Candidates may choose to answer EITHER the Tamil question only in Tamil OR the English question only in English. Candidates writing in English shall if they choose to answer the Tamil question, write only in Tamil.

2. Tamil language, Tamil society - it's culture and Heritage / English Language

1. ehfhPfKk; gz;ghLk; - jkpoh; Njhw;wKk; gutYk;
2. gz;ilj; jkpoh; tho;tpay; rpe;jidfs; - tPuk;> fhjy;> mwk;> mwf;Nfhl;L> topghLfs; kw;Wk; rlq;F Kiwfs;
3. jkpoh; rkaKk; gz;ghl;L newpKiwfSk; - irtk;> itztk;
4. jkpoh; gz;ghl;Lf; fiyAk;> ehfhPfKk; - ,ay;> ,ir> ehlfk;> Xtpak;> kUj;Jtk;> rpw;gk;> ehl;Lg;Gwf; fiyfs;
5. jw;fhy tho;tpy; jkpoh; r%f tho;f;if - rhjp> rkak;> ngz;fs;> murpay;> fy;tp> nghUspay;> tzpfk;> ntspehl;Lj; njhlh;Gfs;

(OR)

English Language Skills

1. Précis writing.
2. Essay writing on current issues.
3. Comprehension of a given passage and answering questions thereupon.

3. Administration of Union and States with special reference to Tamil Nadu

State government organization - structure, functions and control mechanism - District administration -role in people's welfare oriented programmes - Industrial map of Tamil Nadu - role of state government -Public Services - role of recruitment agencies - State finance -- resources, budget and financial administration - Use of IT in administration -- e-governance in the State - Natural calamities – Disaster Management Union and State -strategic planning in the State - Social welfare - Government sponsored schemes with reference to Tamil Nadu - Union government organization - structure, functions and control mechanism - Relationship between State and Union - Industrial map of India -- role of Union government - Public Services -- role of recruitment agencies in Union Government - Union finance -- resources, budget and financial administration - Use of IT in administration -- e-governance in Union Government - Social welfare - government sponsored schemes by Government of India.

PAPER – III – GENERAL STUDIES

(DEGREE STANDARD) (DESCRIPTIVE TYPE)

I. Current events of national and international importance

Latest diary of events - national /international - National symbols - Profile of states - Defence, national security and terrorism - Geographical landmarks- World organizations - pacts and summits - Latest inventions on science & technology - Eminent personalities & places in news - Sports & games - Books & authors - Awards & honours - Cultural panorama - Latest historical events - Policy on environment and ecology - India and its neighbours - Natural disasters - safeguard measures - Latest terminology - Appointments - who is who? - India's foreign policy - Latest court verdicts - public opinion - Problems in conduct of public elections - Political parties and political system in India - Public awareness & general administration - Role of voluntary organizations & govt. - Welfare oriented govt. schemes, their utility - New economic policy & govt. sector - Mass media & communication.

2. Current Economic Trends: Indian economy and Impact of global economy on India

a. Indian economy - Nature of Indian economy - Five - year plan models - an assessment - Land reforms & agriculture - Application of science in agriculture - Industrial growth - Capital formation and investment - Role of public sector & disinvestment - Development of infrastructure - National income - Public finance & fiscal policy - Price policy & public distribution – Consumerism & Consumer protection - Banking, money & monetary policy - Role of Foreign Direct Investment -WTO – Liberalisation globalization & privatization - Rural welfare oriented programmes - HRD - sustainable economic growth - Economic trend in Tamil Nadu - Energy Different sources and development - Finance Commission - Planning Commission - National Development Council - Poverty Alleviation Programmes.

b. Impact of global economy on India

Impact of the Economic Crisis on India : (a) Offshoot of Globalized Economy - (b) Aspects of Financial Turmoil in India - Capital Outflow - Impact on Stock and Forex Market - Impact on the Indian Banking System - Impact on Industrial Sector and Export Prospect - Impact on Employment - Impact on Poverty - (c) Indian Economic Outlook.

India's Crisis Responses and Challenges: (a) State of Economy in Crisis Times - (b) RBI's Crisis Response - (c) Government's Crisis Response - (d) The Risks and Challenges - Monetary policy, Fiscal Policy - Financial stability.

The Options Ahead: Diversifying Exports - Boosting Domestic Consumption - Enhancing Public Spending - Generating Employment - Provisioning credit to Productive Sectors - Need for Structural Reforms - Increased purchasing power of the people.

3. Socio - Economic Issues in India/ Tamil Nadu

Population Explosion - Unemployment issues in India & Tamil Nadu - Child Labour - Economic Issues (a) Poverty (b) Sanitation- Rural and Urban (c) Corruption in public life - Anti -Corruption measures - CVC, Lok-adalats, Ombudsman, CAG. – Illiteracy –Women Empowerment- Role of the Government Women Empowerment Social injustice to womenfolk - Domestic violence, dowry menace, sexual assault - Loss of cultural heritage due to economic development. Urbanization and its impact on the society - Impact of violence on the growth of the nation – Religious violence, Terrorism and Communal violence - Regional Disparities - Problems of Minorities - Human Rights issues - Right to information - Central and State Commission - Faith and conflict among legislature, executive, judiciary and media. - Education – Linkage between Education and Economic Growth. - Community Development Programme - Employment Guarantee Scheme - Self Employment and Entrepreneurship Development - Role of N.G.O's in Social Welfare – Government Policy on Health.