[Single Paper consisting of General Studies (50% of questions - Degree Standard), General Intelligence and Reasoning (20% of questions – SSLC Standard) and Language (General Tamil or General English) (30% of questions – SSLC Standard)] **Code: 470**

Part A - General Studies (Degree Standard - 100 Questions)

Unit I: Modern History of Tamil Nadu, Tamil Society – Culture and Heritage (20 Questions)

Advent of Europeans - the Portuguese, the Dutch, the English, the Danish and the French-Anglo French Rivalry - Anglo-Mysore War – Anglo-Maratha War - The Polligar rebellion – Vellore Mutiny; Socio-religious reforms in the 18th and 19th centuries: Christian Missionaries - Brahma Samaj - Arya Samaj - Theosophical Society - Ramakrishna Mission; Reforms of British East India Company's rule in Tamil Nadu; Emergence of Freedom Struggle in Tamil Nadu - Madras Native Association - Madras Mahajana Sabha - Indian National Movement – Swedeshi Movement - Moderates and Extremists in Tamil Nadu - Home Rule Agitation - Non-Cooperation Movement - Civil Disobedient Movement - Quit India Movement; Ancient Tamil Society – Archeological excavation evidence – Arikamedu, Adichanallur, Keezhadi – Sangam Literature – advent of Sangam era; Thirukkural - Philosophical thoughts in Thirukkural for humanity and way of life – concepts in Thirukkural for betterment of humanity – life principles, social principles, management principles and other principles laid down in Thirukkural; Contribution of Tamilians in Freedom movement: Literary personalities – Journalists – Women activists – Types of struggles – revolutionary songs; Socio-political movements of 19th and 20th centuries: Justice Party, Development of Rationalism – Self-Respect Movement – Dravidian Movement – *Tani Tamil Iyakkam* (Pure Tamil Movement); Tamil Society Reforms personalities: Thanthai Periyar, Arignar Anna, and other scholars.

Unit II: Administration of States with reference to Tamil Nadu (30 Questions)

Constitution of India: Preamble and Philosophical features – Salient features and Sources – Union, States and Union Territories; Citizenship - Fundamental Rights, Fundamental Duties, Directive Principles of State Policy; Union Government: President, Vice-President, Prime Minister and Council of Ministers – Parliament (Lok Sabha and Rajya Sabha); State Government: Chief Minister and Council of Ministers – Tamil Nadu Legislative Assembly: Structure, Powers and Functions; Local Governments: Three-tier system – 73rd and 74th Constitutional amendments - Tamil Nadu Panchayat Act 1994 – Grama Sabha; Tamil Nadu Administration: Nature, evolution and organisational structure and functions – Salient features of Tamil Nadu administration – Secretariat, Chief Secretary, Additional Chief Secretary, Principal Secretary to Government of Tamil Nadu; District Administration: Role and functions of District Collector, District Revenue Officer, Revenue Divisional Officer, Tahsildar, Block Development Officer, Revenue Inspector, and Village Administrative Officer; E-Governance Policy of Government of Tamil Nadu – E-Governance and Mobile-Governance initiatives of Government of Tamil Nadu - Tamil Nadu State's Specialised Undertakings and Agencies; Tamil Nadu Government sponsored welfare schemes and measures (Since 1990) – objectives, issues and challenges in the implementation – Impact of welfare schemes and measures on the socio-economic development of the people; Current Affairs.

Unit III: Science and Technology in Development (15 Questions)

Atomic and Nuclear Physics – Applications of nuclear energy - Electronics and Communication - Robotics and applications; Nanotechnology and its applications; Electrochemical cells – Batteries – Gaseous fuels – LPG – Polymers – Carbohydrates – Vitamins – Antibiotics; Applications of Geographic Information System (GIS); Biotechnology**:** Applications of biotechnology – concepts - tools used – plant genetic engineering – concepts - transgenic plants, edible vaccines, BT cotton, Golden rice - social and ecological impact of genetically modified crops - Biotechnological methods for crop improvement - Application of plant tissue culture in forestry and horticulture - DNA fingerprinting – Applications of Polymerase Chain Reaction (PCR) and Enzyme-Linked Immuno Sorbent Assay (ELISA) in disease

diagnosis; Advanced reproductive techniques: In-Vitro Fertilisation (IVF) – Artificial insemination – test tube baby; Vaccines: types – vaccination schedule in humans; Contribution of the scientists from Tamil Nadu; Digital Computer Fundamentals: Hardware Components – Input / Output Devices; Memory types: RAM, ROM, PROM, EPROM, EEPROM; Secondary Storage Devices: HDD, SDD, CD Type – CPU: Control Unit - Arithmetic Logic Unit - Software types: System Software: OS – System Commands of Windows and Linux – Application Software: DBMS – Database Creation, Queries – Word Processor, Spreadsheet, Presentation Software – Communication Software: Browser, Email: Sending and receiving email, Document sharing and Folder Management – Computer Network: Classification of Networks - Topology – Multimedia and Applications: Image, Audio, Video File types – Network Security: User Authentication; Current Affairs.

Unit IV: Tamil Nadu Economy and Social Issues in Tamil Nadu (20 Questions)

Tamil Nadu Economy – Features – State Budget: Major revenue and expenditure – State Income types – State's Economic growth: Agriculture - Industry – Service Sector; Agriculture: Major crops – Food grains – Cash crops – Types of farming – Organic farming – Inorganic farming – Contract farming – Farmers Producers Organisation (FPO) – Agricultural Marketing – Issues of Marketing – Online Marketing – Agriculture Budgeting in Tamil Nadu – Features; Education: Illiteracy - Gross Enrolment Ratio (GER) in schools and colleges – Measure and recent data - Student welfare schemes – Recent schemes for education - Linkage between education and social development; Poverty and Unemployment: Unemployment issues in Tamil Nadu - State Government poverty alleviation schemes and employment generation schemes; Labour migration; Population growth rate – Sex ratio – Density of population – Causes for population growth - Population control programmes – Family planning and its achievements; Child Labour issues; Health: Vital Statistics – Recent health schemes; Women Empowerment: Domestic violence – Dowry problems – Sexual assault – Laws and awareness programmes - Women welfare schemes - Self Help Groups; Marginalised Groups: Problems – Scheduled Castes and Scheduled Tribes - Elderly – People with disability – Transgender – Religious minorities – State Government welfare programmes to marginalised groups; Current Affairs.

Unit V: Geography of Tamil Nadu, Environment, Biodiversity and Disaster Management in Tamil Nadu (15 Questions)

Geography: Location – Administrative units – Relief features – Major Rivers; Climate: temperature, rainfall and monsoon; Soil: classification and distribution; Forests: classification, distribution, wildlife and birds sanctuaries, forest products; Livestock: cattle and dairying; Fishing: freshwater and saline water fishing; Irrigation: types and distribution of canal, tank and well irrigation, watershed and minor irrigation projects; Minerals: distribution and production of iron ore and bauxite; Power Resources: coal and petroleum; Industries: iron and steel, textiles, cement, automobile, sugarcane and cotton industries; Transport: road, railway, air and sea transport; Environment: Environmental issues in Tamil Nadu – pollution - air, water, soil, thermal, radioactive, noise; Natural resource types – renewable and non-renewable energy resources; Biodiversity and Conservation: Definition, types - genetic, species and ecosystem diversity – values - threats to biodiversity - habitat destruction, invasive species and anthropogenic activities - climatic change and forest fire. Causes and consequences of species extinction; Biodiversity conservation: *in-situ and ex-situ* - Biodiversity conservation strategies - State Biodiversity action plan - Biodiversity hotspots in Tamil Nadu; Sustainable development - Sustainable development goals and targets; Green energy - Paris Agreement and COP28; Disaster Management: Overview of disasters - definitions and types. Natural calamities in Tamil Nadu; Anthropogenic disaster - global warming and climate change issues in Tamil Nadu - Climate change governance - mitigations and adaptations - State action plan for climate change; Tamil Nadu State Disaster Management Authority – Tamil Nadu Disaster Management Plan – Role of NGO and Civil society organisation in disaster management and mitigation in Tamil Nadu; Current Affairs.

Part B: General Intelligence and Reasoning
(SSLC Standard - 40 Questions)

1. Analogy
2. Classification
3. Coding and decoding
4. Relationship Concepts
5. Puzzles
6. Dice
7. Direction and Distance
8. Logical Venn diagrams
9. Alpha-numeric reasoning
10. Arithmetical reasoning
11. Verification of Truth of the Statement
12. Similarities and Differences
13. Calendar
14. Permutation Combination
15. Inserting the missing characters
16. Logical reasoning
17. Figural series
18. Numerical Operations
19. Symbolic operations
20. Word building
21. Statement and Conclusion
22. Address matching
23. Mirror images
24. Embedded figures
25. Visual reasoning
26. Figural classification
27. Square completion.

Part C: Language (General Tamil or General English)
(SSLC Standard - 60 Questions)
General Tamil (பொதுத் தமிழ்)

1. பொருத்துதல் – பொருத்தமான பொருளைத் தேர்வு செய்தல், புகழ் பெற்ற நூல், நூலாசிரியர்.
2. தொடரும் தொடர்பும் அறிதல்

   (i) இத்தொடரால் குறிக்கப்படும் சான்றோர், (ii) அடைமொழியால் குறிக்கப்படும் நூல்.
3. பிரித்தெழுதுக.
4. எதிர்ச்சொல்லை எடுத்தெழுதுதல்.
5. பொருந்தாச் சொல்லைக் கண்டறிதல்.
6. பிழைதிருத்தம் – சந்திப் பிழையை நீக்குதல், ஒருமை பன்மை பிழைகளை நீக்குதல், மரபுப் பிழைகள், வழுஉச் சொற்களை நீக்குதல், பிறமொழிச் சொற்களை நீக்குதல்.
7. ஆங்கிலச் சொல்லுக்கு நேரான தமிழ்ச் சொல்லை அறிதல்.
8. ஒலி வேறுபாடறிந்து சரியான பொருளை அறிதல்.
9. ஒரெழுத்து ஒருமொழி உரிய பொருளைக் கண்டறிதல்.
10. வேர்ச்சொல்லைத் தேர்வு செய்தல்.
11. வேர்ச்சொல்லைக் கொடுத்து, வினைமுற்று, வினையெச்சம், வினையாலணையும் பெயர், தொழிற்பெயரை உருவாக்கல்.
12. அகரவரிசைப்படி சொற்களைச் சீர்செய்தல்.
13. சொற்களை ஒழுங்குபடுத்தி சொற்றொடர் ஆக்குதல்.
14. பெயர்ச் சொல்லின் வகை அறிதல்.
15. இலக்கணக் குறிப்பறிதல்.
16. விடைக்கேற்ற வினாவைத் தேர்ந்தெடுத்தல்.
17. எவ்வகை வாக்கியம் எனக் கண்டெழுதுதல்.
18. தன்வினை, பிறவினை, செய்வினை, செயப்பாட்டுவினை வாக்கியங்களைக் கண்டெழுதுதல்.
19. உவமையால் விளக்கப்பெறும் பொருத்தமான பொருளைத் தேர்ந்தெழுதுதல்.
20. எதுகை, மோனை, இயைபு இவற்றுள் ஏதேனும் ஒன்றை தேர்ந்தெழுதுதல்.
21. பழமொழிகள்.

General English

1. Match the following words and phrases given in Column A with their meanings in Column B.
2. Choose the correct 'Synonym' for the underlined word from the options given.
3. Choose the correct 'Antonym' for the underlined word from the options given.
4. Select the correct word (Prefix, Suffix).
5. Fill in the blanks with suitable Article.
6. Fill in the blanks with suitable Preposition.
7. Select the correct Question Tag.
8. Select the correct Tense.
9. Select the correct Voice.
10. Fill in the blanks (Infinitive, Gerund, Participle).
11. Identify the sentence pattern of the following sentence (Subject, Verb, Object...).
12. Fill in the blanks with correct Homophones.
13. Find out the Error (Articles, Preposition, Noun, Verb, Adjective, Adverb).
14. Select the correct sentence.
15. Find out the odd words (Verb, Noun, Adjective, Adverb).
16. Select the correct Plural forms.
17. Identify the sentence (Simple, Compound, Complex Sentence).
18. Identify the correct Degree.
19. Form a new word by blending the words.
20. Form compound words (eg.: Noun+Verb, Gerund+Noun).
21. British English – American English.
22. General Comprehension