

**Group VIII Services**

**(Main Examination)**

**General Studies – S.S.L.C standard**

**Objective type – 100 items – 150 Marks**

**Syllabus**

**UNIT – I - General science :**

**Physics** - Nature of Universe - General Scientific laws - Inventions and discoveries - National scientific laboratories - Mechanics and properties of matter - Physical quantities, standards and units - Force, motion and energy - Magnetism, electricity and electronics - Heat, light and sound

**Chemistry** - Elements and Compounds - Acids, bases and salts - Fertilizers, pesticides, insecticides

**Botany** - Main Concepts of life science - Classification of living organism - Nutrition and dietetics -Respiration

**Zoology** - Blood and blood circulation - Reproductive system - Environment, ecology, health and hygiene - Human diseases, prevention and remedies - Animals, plants and human life

**UNIT - II Current Events**

**History** - Latest diary of events-national - National symbols - Profile of States - Eminent persons & places in news - Sports & games - Books & authors - Awards & honors' - India and its neighbors

**Political Science** - Problems in conduct of public elections - Political parties and political system in India - Public awareness & General administration - Welfare oriented govt. schemes, their utility – Geography - Geographical landmarks - Economics - Current socio-economic problems – Science - Latest inventions on science & technology –

UNIT – III - Geography - Earth and Universe - Solar system- Monsoon, rainfall, weather & climate-Water resources - rivers in India - Soil, minerals & natural resources - Forest & wildlife - Agricultural pattern - Transport & communication - Social geography – population-density and distribution - Natural calamities – Disaster Management.

UNIT -IV. History and culture of India and Tamil Nadu - Indus valley civilization - Guptas, Delhi Sultans, Mughals and Marathas - Age of Vijayanagaram and the bahmanis - South Indian history - Culture and Heritage of Tamil people - India since independence - Characteristics of Indian culture - Unity in diversity –race, colour, language, custom - India-as secular state - Growth of rationalist, Dravidian movement in TN - Political parties and populist schemes.

**UNIT -V INDIAN POLITY** - Constitution of India - Preamble to the constitution - Salient features of constitution - Union, state and territory - Citizenship-rights amend duties - Fundamental rights - Fundamental duties - Human rights charter - Union legislature – Parliament - State executive - State Legislature – assembly - Local government – panchayat raj – Tamil Nadu - Judiciary in India – Rule of law/Due process of law – Elections - Official language and Schedule-VIII - Corruption in public life - Anti-corruption measures –CVC, lok-adalats, Ombudsman = Right to information - Empowerment of women - Consumer protection forms –

**UNIT - VI. INDIAN ECONOMY** - Nature of Indian economy - Need for economic planning - Five-year plan models-an assessment - Land reforms & agriculture - Application of science in agriculture - Industrial growth - Rural welfare oriented programmes - Social sector problems – population, education, health, employment, poverty - Economic trends in Tamil Nadu

**UNIT - VII. INDIAN NATIONAL MOVEMENT** - National renaissance - Emergence of national leaders - Gandhi, Nehru, Tagore - Different modes of agitations - Role of Tamil Nadu in freedom struggle Rajaji, VOC, Periyar, Bharathiar & others –

**UNIT - VIII. MENTAL ABILITY TESTS** - Conversion of information to data - Collection, compilation and presentation of data - Tables, graphs, diagrams - Analytical interpretation of data - Simplification- Percentage -Highest Common Factor (HCF) - Lowest Common Multiple (LCM) - Ratio and Proportion - Simple interest - Compound interest – Area – Volume - Time and Work Logical Reasoning – Puzzles - Visual Reasoning - Alpha numeric Reasoning - Number Series.

**SYLLABUS**  
**Group VIII (Executive Officer, Grade IV) – MAIN EXAMINATION**

**(Objective type) (S.S.L.C. Standard)**

,e;Jkjk; + irtKk; itztKk;

,e;Jkjk;

1. ,e;Jkjk; - Njhw;wKk; tuyhWk;
2. Ntjq;fs;, Mfkk;, Njhj;jpuk;, rhj;jpuk;, ,jpfhrk;, Guhzq;fs;
3. Nfhl;ghLfs; (jhprdq;fs;)
4. ,e;J kj cl;gphpTfs;
5. mj;ijt tprpl;lhj;itj, Jitj rpj;jhe;jq;fs;
6. cyfj; Njhw;wk;
7. fITs;
8. Xk;
9. Md;khf;fs;
10. FU
11. Myak;
12. Mya eph;khzk;, Mya mikg;G
13. G+ir
14. Mya topghL
15. ke;jpuk;
16. jpUtpohf;fs;
17. gz;biffs;
18. Njhj;jpukhiy Nghw;wpfs;
19. Nfhapw;fiy, jpUg;gzpfs; kw;Wk; rpw;gq;fis guhkhpij;jy;
20. Nfhapy; jpUNkdpfs;
21. gf;jp ,yf;fpak;

22. mz;ikf; fhy mUshsh;fs;, ,uhkfpU\;zgukcwk;rh;, tpNtfhde;jh;,  
ghk;gd; Rthkpfs;

**irtk;**

1. irtKk; rptKk;
2. jkpOk;, irtKk;
3. topghL
4. jpUj;njhz;lh; Guhzk; (nghpa Guhzk;)
5. irt FUKhh;fs; (irt Mr;rhhpah;fs;)
6. gd;dpU jpUKiwfs; - mwpKfk;
7. irt rpj;jhe;jk;

**itztk;**

1. itztk;
2. MfkKk; ehuhazDk;
3. Mo;thh;fspd; tuyhW
4. ,uhkhD[Uk; Nfhl;ghLfSk;
5. itzt Mr;rhhpah;fs;
6. ehyhapu jpt;ag;gpuge;jk; - mwpKfk;
7. itzt ciuhrphpah;fs;