

## பிற்சேர்க்கை-II

CCSE-IV CCSE-IV Examination (S.S.L.C. Standard)

### General Studies

Topics for Objective type

#### 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 including communicable and non - communicable 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-1. Problems in conduct of public elections-2. Political parties and political system in India-3. Public awareness & General administration-4. 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 including surface 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, CAG - Right to information- Empowerment of women- Consumer protection forms

#### **UNIT-VI. INDIAN ECONOMY**

Nature of Indian economy- Five-year plan models-an assessment-Land reforms & agriculture-Application of science in agriculture-Industrial growth- Rural welfare oriented programmers-Social sector problems - population, education, health, employment, poverty-Economic trends in Tamil Nadu

#### **UNIT-VI. 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-VII. APTITUDE & 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-Dice-Visual Reasoning-Alpha numeric Reasoning-Number Series.