

**ANNEXURE – VII (b)**

**Syllabus for the post of Forest Guard and Forest Guard with Driving Licence**

**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

**Current Events**

History- Latest diary of events- national -National symbols-Profile of States-Eminent persons & places in news-Sports & games-Books & author's -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

**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.

**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

**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-

### **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 programmes-Social sector problems – population, education, health, employment, poverty-Economic trends in Tamil Nadu

### **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

### **Aptitude & Mental Ability Tests**

Conversion of information to data-Collection, compilation and presentation of data - Tables, graphs, diagrams-Parametric representation of data-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