

ANNEXURE – I

Syllabus

Paper-I

(A) DIPLOMA IN AGRICULTURE

Sl. No.	Courses
1.	Principles of Agronomy and Agricultural Meteorology
2.	Irrigation and Weed Management
3.	Soils and their management
4.	Propagation methods in Horticultural crops
5.	Basic and applied microbiology
6.	Farm Machinery and Post harvest Processing
7.	Agronomy of Field Crops- I
8.	Fundamentals of Livestock and Poultry Production
9.	Vegetable and Fruit culture
10.	General and Economic Entomology
11.	Principles of Plant Pathology
12.	Soil Nutrient Management
13.	Energy and Environment
14.	Crop diseases and their management
15.	Commercial agriculture
16.	Dry farming and agroforestry
17.	Agricultural economics and marketing
18.	Crop pests and their management
19.	Breeding of field crops
20.	Agronomy of field crops
21.	Seed production techniques in field crops
22.	Spices, Plantation, Medicinal plants and Floriculture
23.	Nursery Technology
24.	Extension methods and audio visual aids

(B) DIPLOMA IN HORTICULTURE

Sl. No.	Courses
1.	Basics in Horticulture
2.	Plant propagation practices
3.	Fundamentals of Agronomy
4.	Soil and Fertility management for Horticultural crops
5.	Farm Machinery for Horticultural crops
6.	Basics in Livestock Management and Poultry Production
7.	Fruit crops Production Technology
8.	Dry Land Horticulture
9.	Basics of Ornamental gardening and Landscaping
10.	Medicinal and Aromatic crops production technology
11.	Agroforestry and Silviculture
12.	Irrigation and Weed management in Horticultural crops
13.	Basics in Plant protection
14.	Vegetable crops Production Technology
15.	Flower crops Production Technology
16.	Spice crops Production Technology
17.	Pests of Horticultural crops and their Management
18.	Diseases of Horticultural crops and their management
19.	Commercial Agriculture
20.	Plantation crops Production Technology
21.	Protected cultivation
22.	Seed production Technology of Horticultural crops
23.	Post Harvest Handling and value addition of Horticultural crops
24.	Farm Management and Marketing
25.	Fundamentals of Extension Education

Paper-II
GENERAL STUDIES
(H.S.C Standard)

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 neighbours

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 – panchayatraj – 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, lokadalats, 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 - 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: 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.