

Raj SMSSB Agriculture Supervisor Syllabus

RSMSSB Agriculture Supervisor General Knowledge Syllabus

- Basic Computer
- Indian History
- Indian Economy
- Inventions in the World
- Sports
- Indian Parliament
- Indian Politics
- Famous Days & Dates
- Famous Books & Authors
- Botany
- Chemistry
- Environment
- Indian Culture
- Geography
- Physics
- Zoology

Raj SMSSB Agriculture Supervisor General Hindi Syllabus

- Grammar.
- Comprehension.
- Antonyms.
- Vocabulary.
- Transformation of Sentences.
- Idioms & Phrases.
- Synonyms.
- Fill in the Blanks.
- Tenses.
- Usage of Words.

RSMSSB Agriculture Syllabus

UNIT- I: CROP PRODUCTION PRINCIPLES AND PRACTICES

Weather and crop production – Agro – ecological zones and geographical distribution of crop plants in Cropping systems – different types and their importance in food production - Package of practices followed for field crops and cropping systems in Tamil Nadu - Production technologies for ornamentals, vegetables, fruits, spices,

Plantation crops, indoor and Medicinal plants - Role of growth regulators in vegetables and fruit production.

UNIT - II: WATER AND WEED MANAGEMENT PRINCIPLES AND PRACTICES

Water Management - Integrated water management - common area management - Different efficiencies in irrigation management-Irrigation management under constraints of irrigation water. Weed management - Important weeds and their distribution in Tamil Nadu - Integrated weed management practices.

UNIT - III: CROPPING SYSTEMS AND THEIR MANAGEMENT

Tillage and Dry land agriculture - Tillage Management under wet and dry land agriculture water harvesting techniques - Technologies for increasing agricultural production in rainfed agriculture. Agroforestry - Waste land development: Problems and Prospects in Tamilnadu - Farm forestry Agroforestry Social forestry, Natural forestry.

UNIT - IV: SOIL MANAGEMENT FOR SUSTAINABLE AGRICULTURE

Soil types of Tamilnadu and their important Physico-chemical properties and their management-problem soils - management-soil fertility management Integrated Nutrient management.

UNIT – V: SEED PRODUCTION-PRINCIPLES, PRACTICES AND POLICIES

Seed production in Vegetatively propagated crops - Seed processing – Dormancy Seed treatment - Seed pelleting - Seed Certification - Certified seed production - Seed Act, New seed policy - seed storage - seed industry - Management of Physiological disorders in crop plants for improving seed health and quality

UNIT - VI: PRINCIPLES AND PRACTICES IN CROP IMPROVEMENT AND CROP BIOTECHNOLOGY

Germplasm - crop genetic resources – Innovative breeding methods such as Mutation breeding - Marker assisted selection and breeding - Transgenic technology and applications.

UNIT - VII: PRINCIPLES AND PRACTICES IN PEST MANAGEMEN

Pest - Definition – categories of pests including invasive pests - Pests control and pest management -- natural, artificial – IPM – Principles, components and integration - Ecological aspects of IPM – various IPM methods - IPM for important pests and nematodes of crops - Role of parasitoids, predators, and entomopathogens (NPV, Bt, Fungus) in IPM – Biointensive and biotechnological pest management methods - Store grain pest management.

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UNIT - VIII: PRINCIPLES AND PRACTICES IN PLANT DISEASE MANAGEMENT

Bacterial, fungal and viral diseases in major crops – Disease Surveillance – Assessment and forecasting integrated disease management for important plants – Integrated Disease management – Role of antagonistic organisms. Biotechnological approaches in disease Management.

UNIT - IX: FARMING SYSTEMS AND MANAGEMENT

Farming systems-Integrated farming systems - Farm planning and budgeting. Farm business management - farm management-principles and decision making Management of resources - land, labour, capital and machinery -Farm financial management - Agricultural marketing management - world trade concept economic liberalisation – GATT – IPR issues in agriculture.

UNIT - X: TRANSFER OF TECHNOLOGY

Use of modern agricultural information systems –ICT for effective Transfer of technology – importance of tot in agricultural development - Principles of farm journalism - participatory technology development.

Raj SMSSB Horticulture Syllabus

- PRINCIPLES OF HORTICULTURE
- PROPAGATION AND NURSERY TECHNIQUES OF HORTICULTURAL CROPS
- GROWTH AND DEVELOPMENT OF HORTICULTURAL CROPS: BREEDING OF HORTICULTURAL CROPS
- PRODUCTION TECHNOLOGY OF FRUIT CROPS
- PRODUCTION TECHNOLOGY OF VEGETABLE CROPS
- PRODUCTION TECHNOLOGY OF COMMERCIAL FLOWER CROPS AND LANDSCAPING
- PRODUCTION TECHNOLOGY OF SPICES AND PLANTATION CROPS
- CROPS
- PRODUCTION TECHNOLOGY OF MEDICINAL AND AROMATIC CROPS
- POST- HARVEST TECHNOLOGY OF HORTICULTURAL CROPS

RSMSSB Animal Husbandry Syllabus

- Animal Health
- Forage Production
- Physiology of Reproduction and Lactation

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- Other Species of Livestock (Sheep, Goat, Pig, and Rabbit)
- Dairy Management and Economics
- Animal Nutrition
- Meat and Meat Products
- Animal Genetics and Breeding