

**SYLLABUS FOR COMPUTER BASED RECRUITMENT TEST (CBRT)**  
**FOR THE POST OF ASSISTANT AGRICULTURAL OFFICER**  
**UNDER**  
**DIRECTORATE OF AGRICULTURE**  
**(Advt No. 6 Year 2024)**

- I. General English including Grammar** - **10 marks**
- II. General Knowledge, Current Affairs and Events of National and International Importance** - **10 marks**
- III. Logical Reasoning and Analytical Ability** - **25 marks**
- IV. Core:** - **30 marks**

**GENETICS AND PLANT BREEDING**

General Genetics and Plant Breeding; Economics Botany and Plant Breeding Methods; Genetic Engineering and Biotechnological Tools in Plant Breeding; Plant Genetic Resources and their Regulatory System; Varietal Release and Seed Production

**AGRICULTURAL ENTOMOLOGY**

Systematics; Morphology; Ecology, Biological control; Chemical control and Toxicology; Integrated pest management; Useful insects

**PLANT PATHOLOGY**

History and Principles of Plant Pathology; Laboratory and Analytical Techniques; Plant Disease Epidemiology; Phanerogamic parasites and Non-parasitic Diseases Unit; Fungal Diseases of Crop Plants; Bacterial and Viral Diseases of Crop Plants; Management of Plant diseases

**AGRONOMY**

Classification; Agro climatic zones; Major field crops- soil, land preparation, seed and sowing, yield, varieties.

**FLORICULTURE AND LANDSCAPING**

Production technology of cut flowers; Production technology for loose flowers; Protected Floriculture; Value addition

**FRUIT SCIENCE**

Tropical fruit production; Biodiversity and conservation; Post harvest technology.

**SOIL SCIENCE**

Pedology; Soil Physics; Soil Chemistry; Soil Fertility; Soil Microbiology.

## **AGRICULTURAL ECONOMICS**

Agricultural Development and Policies; Agricultural Finance; Agricultural Marketing and Price Analysis; Entrepreneurial skills and new venture planning

## **AGRICULTURAL EXTENSION**

Fundamentals of Extension and Communication; Research Methodology in Extension Education; Programme Planning, Evaluation & Diffusion and Adoption of Innovations; Extension Management; Developmental Strategies and Issues in Extension.

## **IRRIGATION**

Rainwater harvesting. Drip and sprinkler irrigation. Drainage of water –logged soils, quality of irrigation water, effect of industrial effluents on soil and water pollution. Irrigation projects in India

**Note:**

**Duration for C.B.R.T : 90 Minutes**

**Maximum Marks for C.B.R.T : 75 Marks**

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