



SYLLABUS FOR COMMON PRELIMINARY SCREENING TEST, 2014 FOR RECRUITMENT TO THE POSTS OF ASSISTANT DIRECTOR OF AGRICULTURE IN W.B. AGRICULTURAL SERVICE (ADMINISTRATIVE) AND ASSISTANT BOTANIST, ASSISTANT AGRICULTURAL CHEMIST/ANALYTICAL CHEMIST/JR. SOIL SCIENTIST, AND ASSISTANT AGRONOMIST IN W.B.AGRICULTURAL SERVICE (RESEARCH) UNDER THE AGRICULTURE DEPTT., GOVT. OF WEST BENGAL.

Agriculture

Full marks: 100

Time: 2 hours

- I. **General :**
 1. Rural Sociology and Extension
 2. Agril Economics; Farm Management and Marketing; grading, packaging market Information, world situation.
 3. Rural Resource Survey & development planning.
 4. Methods of Agril Extension – training, demonstration, publications.
 5. Commercial Farm Enterprise Management : finance, Human resource, time & business.
 6. Design of experiments, sampling, statistical analysis.
 7. Computer application : information, networking and website browsing.
 8. Agro climatic Zones of West Bengal : resources and prospects.
 9. Agro meteorology & remote sensing.

- II. **Crop Production :**
 1. Field crops, cereals, pulses, oilseeds, fibres, sugar crops – Rice, Wheat, Maize, Chick Pea, Pigeon Pea, Mustard, Sunflower, Groundnut, Jute, Cotton, Sugarcane, Sugarbeet.
 2. Vegetable crops – Summer, Winter.
 3. Fruits & plantation – Mango, Litchi, Banana, Guava, Pineapple, Befelvine etc.
 4. Flower & Ornamentals – Rose, Tuberose, Dahlia, Gladiolus, Orchids, Chrysanthemum.
 5. Medicine, Spice, Aromatics – Black pepper, Coriander, Cumin, Fennel, Fenugreke
 6. Soils and Soil Health : Management & nutrition, Soil & Water conservation.
 7. Manures, fertilizers; applications, composting, biofertilizer.
 8. Irrigation & Drainage – Methods; water-harvest.
 9. Land shaping, development & preparation.
 10. Sericulture, Beekeeping & Mushrooms.

- III. **Crop Protection :**
 1. Entomology & Pest Control.
 2. Plant Pathology & Disease control.
 3. Pests of important crops & their control.
 4. Diseases of important crops & their control.
 5. Principles & Practices of plant protection.
 6. Regulations, Resistant varieties, Transgenics.
 7. Pesticides, Fungicides, Weedicides.
 8. Environment and its pollution – Toxicity, phytotoxicity, antidotes.
 9. Integrated pest, disease & weed management.