



# **PUNJAB AGRO INDUSTRIES CORPORATION LIMITED**

**2-A, Sector 28-A, Madhya Marg, Chandigarh**

## **SYLLABUS FOR ENTRANCE TEST FOR THE POST OF TECHNICAL ASSISTANT**

### **Section A: GENERAL (60 MARKS)**

Analytical Ability, Logical, quantitative and visual-spatial reasoning  
Computer skills; computer applications and proficiency in using windows; MS office etc.

General Knowledge/current affairs.

General Punjabi up to Matric standard

General English

### **Section B: PROFESSIONAL (40 MARKS)**

Classification of field crops based on their utility, soil, soil pH, Soil texture, soil structure, soil organisms, soil tilth, soil fertility and soil health. Essential plant nutrients, their functions and deficiency symptoms, soil types of India and their characteristics, common fertilizers including straight, complex, fertilizer mixtures and bio-fertilizers, integrated nutrient management system.

Sources of irrigation, Scheduling of irrigation based on critical stages of growth, time interval, soil moisture content and weather parameters, water requirement of crops, Methods of irrigation and drainage, watershed management.

Principles of weed control, method of weed control seed bed preparation, seed treatment, time and method of sowing, planting, seed rate; dose method and time of fertilizer application, irrigation, and inter-culture and weed control.

Common pests and diseases, caused by bacteria, fungi virus and nematode, integrated pest management, harvesting, threshing, post-harvest technology; storage, processing and marketing of major field crops.

Importance of fruits and vegetables in human diet, Crop diversification & processing Industry, cultivation practices, processing and marketing of fruits, vegetables and flowers, Principles and methods of fruit and vegetable preservation.