

**PUNJAB PUBLIC SERVICE COMMISSION  
COMBINED COMPETITIVE EXAMINATION  
FOR RECRUITMENT TO THE POSTS OF  
PROVINCIAL MANAGEMENT SERVICE, ETC.**

**AGRICULTURE (OPTIONAL) PAPER-I**

**TIME ALLOWED: 3 HOURS**

**MAXIMUM MARKS: 100**

**Note:** Attempt in English.

**Q.1:** Discuss different climatic regions of Pakistan in relation to their Agricultural Set up. **OR** (10)

Discuss the features of different Agro-Ecological Zones of Pakistan

**Q.2:** Water is one of the natural resources of Pakistan. Explain its distribution for agriculture and impact on Crop Production. (10)

**Q.3:** What is Dry Farming. Explain what measures constitute the dry farming system of cultivation in Pakistan. (10)

**Q.4:** Define Photosynthesis. Explain its role in plant growth. (10)

**Q.5:** What is participatory approach to Agricultural Extension. Explain its advantages and disadvantages. (10)

**Q.6:** What are Biofertilizers. Explain, how do they differ from normal fertilizers in process of their availability to the plants. (10)

**OR**

Explain different Biological N<sub>2</sub>-fixation systems in the soil.

**Q.7:** Discuss Post-harvest losses in food crops. How can food processing and preservation help in reducing these losses? (10)

**OR**

What is WTO? Explain the impact of WTO on Agriculture of Pakistan. (10)

**Q.8:** Explain major causes of wild life decline in Pakistan. Suggest measures to protect it. **OR** (10)

Discuss potential of Agro-Forestry systems to cope with the existing wood deficit in the country.

**Q.9:** What are the main challenges being faced by the Agriculture sector of Pakistan. Give practicable solutions. (10)

**Q.10:** Write short note on any two of the following: (10)

(i) Respiration

(ii) Organic farming

(iii) Bio-diversity

(iv) Farm mechanization.