

**COMBINED COMPETITIVE EXAMINATIONS  
RECRUITMENT TO THE POSTS OF  
PROVINCIAL MANAGEMENT SERVICE, ETC - 2016**

**SUBJECT: AGRICULTURE (PAPER-I)**

**TIME ALLOWED: THREE HOURS**

**MAXIMUM MARKS: 100**

**NOTE: Attempt FIVE Questions In All.**

**Q No. 1:** What do you understand by the phenomenon of climate change? Discuss its impact on crop production, with possible measures to tackle problems occurring in agriculture due to climate change.  
**(4+8+8 Marks)**

**Q No. 2:** Define Agro-forestry. Give a detailed account of Agro-forestry covering its past and present status as well as future prospects in Pakistan.  
**(20 Marks)**

**Q No. 3:** What is meant by sustainable agriculture? Discuss in detail role of various factors affecting global agricultural sustainability in general and that of Pakistan in particular.  
**(20 Marks)**

**Q No. 4:** Discuss the role of Indus Basin Irrigation System in Pakistan. Explain the current situation and future scope of farm mechanization in our country.  
**(10+10 Marks)**

**Q No. 5:** What do you understand by the words human nutrition and dietetics? Discuss in detail the basic nutrition requirements of human bodies. Discuss the role of nutritious food for protection against diseases related to malnutrition.  
**(4+8+8 Marks)**

**Q No. 6:** What is the role of Information Technology (IT) in enhancing agricultural productivity and as a way forward for another Green Revolution in Pakistan.  
**(20 Marks)**

**Q No. 7:** Explain the significance of Agricultural Extension in Pakistan. Discuss methods which could be used for evaluation of effective extension services provided to the farmers.  
**(10+10 Marks)**

**Q No. 8:** Write short note on any FOUR of the following:- **(5x4=20 Marks)**

- a) Organic Farming.
- b) Allelopathy.
- c) WTO and Agriculture.
- d) Biofertilizers.
- e) Drip Irrigation.
- f) Food Security.