



PUNJAB PUBLIC SERVICE COMMISSION

COMBINED COMPETITIVE EXAMINATION 2017
FOR RECRUITMENT TO THE POSTS OF
PROVINCIAL MANAGEMENT SERVICE, ETC.

SUBJECT: AGRICULTURE (PAPER-II)

TIME ALLOWED: THREE HOURS

MAXIMUM MARKS: 100

NOTE: **Attempt FIVE Questions in All. Attempt in Urdu or English.**

Q No. 1: ✓ Elaborate the term soil formation. How parent material, climate, living organisms, topography and time affect soil formation processes of an area?
(20 Marks)

Q No. 2: Discuss various breeding techniques which can be used to develop a wheat variety for arid regions of the country.
(20 Marks)

Q No. 3: ✓ What is the problem size of various types of soil erosion in Pakistan? Suggest management practices which can be used by farmers to minimize loss of agricultural production due to soil erosion.
(20 Marks)

Q No. 4: ✓ What are the important things which must be considered while selecting a site for plant nursery development? Discuss various propagation techniques which must be known by a nursery developer of ornamental and fruit plants.
(20 Marks)

Q No. 5: Discuss plant nutrient elements which are deficient in Pakistani soils. What are the common reasons of the deficiency and management practices?
(20 Marks)

Q No. 6: How some plants can tolerate soil salinity? How their genetic makeup works to control the physiological mechanisms under salt stress conditions?
(20 Marks)

Q No. 7: ✓ What is Integrated Pest Management (IPM). How and why IPM should be adopted to replace even a successful chemical control program.
(20 Marks)

Q No. 8: What are various steps involved in mushroom span production? Owing to what problems mushroom cultivation is not a well-developed industry in Pakistan.
(20 Marks)