

KHYBER PAKHTUNKHWA PUBLIC SERVICE COMMISSION

Subject : Competitive Examination for the posts of Provincial Management
Service (BPS-17) 2018

Botany Paper 2

Time Allowed : 03 Hours.

Max Marks: 100

Note : Attempt any five questions

Q 1	Give a detailed account of hormones and their role in agriculture and horticulture	20
Q 2	Describe vernalization and dormancy and their role in seed germination	20
Q 3	Describe the influence of climatic, edaphic and biotic factors on plant growth and adaptation of plant communities	20
Q 4	Explain the concepts of ecosystems and the mechanisms of food chains and trophic levels	20
Q 5	Describe the causes and consequences of water logging and salinity with respect to Pakistan	20
Q 6	Describe mutation and polyploidy. Also give the types and levels of polyploid complexes in plants.	20
Q 7	Describe theories of evolution and no-Darwinism.	20
Q 8	What is bio-chemical nature of proteins and fats? Describe in detail the structural configurations of proteins.	20