

FEDERAL PUBLIC SERVICE COMMISSION



COMPETITIVE EXAMINATION FOR RECRUITMENT TO POSTS IN BS-17 UNDER THE FEDERAL GOVERNMENT, 2012

Roll No.

BOTANY, PAPER-II

TIME ALLOWED:	(PART-I MCQs)	30 MINUTES	MAXIMUM MARKS: 20
THREE HOURS	(PART-II)	2 HOURS & 30 MINUTES	MAXIMUM MARKS: 80

NOTE: (i) Candidate must write **Q. No.** in the **Answer Book** in accordance with **Q. No.** in the **Q. Paper.**
(ii) Attempt **ONLY FOUR** questions. **ALL** questions carry **EQUAL** marks.
(iii) Extra attempt of any question or any part of the attempted question will not be considered.

PART-II

- Q. 2.** Explain Evolution with reference to Darwinism. (20)
- Q. 3.** Give detailed account of Chromosomal aberrations. Support your answer with diagrams. (20)
- Q. 4.** What is salinity and water logging? Discuss with reference to its causes in Pakistan. (20)
- Q. 5.** Which cell division occurs in reproductive cells? How diploid cell produce four haploid daughter cells? Explain. (20)
- Q. 6.** Describe the following: (4x5=20)
(a) Pyramids (b) Food chain (c) Ecological energetics
(d) Concepts of ecosystem
- Q. 7.** Write short notes on any **TWO** of the following:- (2x10=20)
1. Genetic code
2. Poly Ploidy
3. Mutation
