

FEDERAL PUBLIC SERVICE COMMISSION



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

Roll Number

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
