



FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION FOR
RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT, 2015

Roll Number

AGRICULTURE

TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 MINUTES	PART-II	MAXIMUM MARKS = 80
NOTE: (i) Part-II is to be attempted on the separate Answer Book.		
(ii) Attempt ONLY FOUR questions from PART-II. ALL questions carry EQUAL marks.		
(iii) All the parts (if any) of each Question must be attempted at one place instead of at different places.		
(iv) Candidate must write Q. No. in the Answer Book in accordance with Q. No. in the Q.Paper.		
(v) No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.		
(vi) Extra attempt of any question or any part of the attempted question will not be considered.		

PART-II

- Q. No. 2.** Define IPM and IVM. In what different situations will you use both when you are very specific to a cause? Discuss their limitations and success in our system. **(20)**
- Q. No. 3.** Agriculture has shifted to value added concepts. What does it mean and how would you comment on this if you are supporting better outputs from your fields. **(20)**
- Q. No. 4.** What are nitrogen fixing organisms found in agriculture and natural systems? Discuss their role in detail. Soil carbon storage is a vital ecosystem service, resulting from interactions of ecological processes. Comment. **(20)**
- Q. No. 5.** What is the application of genetic engineering in Agriculture? Discuss your answer in the light of latest achievements covering plants and animals. **(20)**
- Q. No. 6.** What are the future concerns of begomovirus in Pakistan? Where is it likely to hit and on what crops? Give a management approach to this. **(20)**
- Q. No. 7.** Explain farming system along with factors influencing the system. What are the types of farming systems in Pakistan? **(20)**
- Q. No. 8.** Write notes on any FOUR of the following: **(5 each) (20)**
- (a) Tunnel farming their concerns and prospects
 - (b) Drug-resistant “super-bugs”
 - (c) Vermicomposting
 - (d) Crop growth promotion through allelopathic water extracts
 - (e) Corporate farming
 - (f) Kitchen Gardening a production technology for winter
