



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

**Roll Number**

QuickJobs.pk

**AGRICULTURE**

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

**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