



FEDERAL PUBLIC SERVICE COMMISSION
COMPETITIVE EXAMINATION-2022
FOR RECRUITMENT TO POSTS IN BS-17
UNDER THE FEDERAL GOVERNMENT
AGRICULTURE & FORESTRY

Roll Number

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

PART-II
SECTION-A

- Q. No. 2.** What is Integrated Plant Nutrient Management (IPNM)? How chemical fertilizers efficiency can be improved? How agro-industries waste (sugar, cotton, & fruits) can be best utilized as plant nutrients? **(20)**
- Q. No. 3.** Describe the present Cotton scenario, causes of low production during the last five years, and challenges ahead. How past glory of cotton production can be achieved? **(20)**
- Q. No. 4.** What factors influence seed germination? How seed viability is affected during storage? What is the informal seed sector? Discuss the advantages and disadvantages of the informal seed sector. **(20)**
- Q. No. 5.** Write notes on : **(20)**
- a. Potential and issues of small dams constructed in mountainous and semi-mountainous areas of Pakistan.
 - b. Advantages and disadvantages of Genetically Modified Organisms (GMOs).

SECTION-B

- Q. No. 6.** Discuss objectives and the basis of conventional forest classification in Pakistan. Describe the distribution of forests in Pakistan. **(20)**
- Q. No. 7.** Describe the role of agro-forestry in forage scarcity mitigation for livestock. How different range areas have played their roles in livestock rearing? **(20)**
- Q. No. 8.** Write notes on: **(20)**
1. Principles of forestry
 2. Silvicultural systems