



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
NOTE: (i) Part-II is to be attempted on the separate Answer Book. (ii) Attempt ONLY FOUR questions from PART-II by selecting TWO questions from EACH SECTION. 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) 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 question will not be considered.		

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 nutrient? **(20)**
- Q. No. 3.** Describe present Cotton scenario, causes of low production during 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 informal seed sector? Discuss advantages and disadvantages of informal seed sector. **(20)**
- Q. No. 5.** Write notes on: **(10 each) (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 basis of conventional forest classification in Pakistan. Describe the distribution of forests in Pakistan. **(20)**
- Q. No. 7.** Describe role of agro-forestry in forage scarcity mitigation for livestock. How different range areas have played their roles in livestock raring? **(20)**
- Q. No. 8.** Write notes on: **(10 each) (20)**
- (a)** Principles of forestry.
- (b)** Silvicultural systems.
