



**FEDERAL PUBLIC SERVICE COMMISSION  
COMPETITIVE EXAMINATION-2016  
FOR RECRUITMENT TO POSTS IN BS-17  
UNDER THE FEDERAL GOVERNMENT**

Roll Number

**AGRICULTURE & FORESTRY**

**TIME ALLOWED: THREE HOURS**

**PART-I(MCQS): MAXIMUM 30 MINUTES**

**PART-I (MCQS)**

**PART-II**

**MAXIMUM MARKS = 20**

**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) 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  
SECTION-I**

**Q. No. 2.** What is the role of livestock in national economy? How the government policies have over the years promoted this sector? What are future prospects, Issues and challenges? **(20)**

**Q. No. 3.** What is the cause of low productivity of cereal crops in Pakistan? How grain production could be made sustainable despite falling international prices? **(20)**

**Q. No. 4.** How understanding of genetics has helped in improving the productivity of crops and livestock? What are the prospects of genetic engineering in crop sector improvement? Discuss all pros and cons. **(20)**

**Q. No. 5.** What do you understand by soil fertility? How soil fertility of arable lands can be maintained in good shape? How trees could be helpful in reclaiming water-logged and saline soils? **(20)**

**SECTION-II**

**Q. No. 6.** What is the significance of rangelands? How these rangelands resources in the country could effectively be utilized? What could possibly be done to improve these rangelands?

**Q. No. 7.** What are different grazing systems in vogue for small ruminants? How livestock wealth of the country has benefited from existing range and forest resources? **(20)**

**Q. No. 8.** Write short notes on any FOUR of the following: **(5 marks each) (20)**

- (a)** Soil erosion
- (b)** Judicious application of chemical fertilizers
- (c)** Rain water harvesting
- (d)** Grain storage and preservation
- (e)** Agro-forestry Vs. Farm forestry
- (f)** Environmentally controlled poultry houses

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