



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

Roll Number

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
