

**PUNJAB PUBLIC SERVICE COMMISSION**  
**COMBINED COMPETITIVE EXAMINATION FOR**  
**RECRUITMENT TO THE POSTS OF**  
**PROVINCIAL MANAGEMENT SERVICE -2019**

**SUBJECT: VETERINARY SCIENCE (PAPER-I)**

**TIME ALLOWED: THREE HOURS**

**MAXIMUM MARKS: 100**

**NOTE: Attempt FIVE Questions in All. Attempt in Urdu or English.**

- Q. No. 1:** Suppose you have been appointed as farm manager in a herd of 1000 goats. What infectious and non-infectious diseases you may encounter in this farm in different seasons of the year? Also plan your strategic measures to combat against these diseases? **(20 Marks)**
- Q. No. 2:** Explain parasitic zoonoses and its significance? Enlist few of the parasitic zoonotic diseases from different groups of parasites with their preventions and control measures. **(20 Marks)**
- Q. No. 3:** Being the Islamic country, Pakistan has tremendous potential to capture halal meat industry internationally. What are the main problems at present, Pakistan is facing to reach this target? What remedial measures would you suggest to overcome these problems? **(20 Marks)**
- Q. No. 4:** Drug resistance is an emerging phenomenon in therapeutics. Explain the major causes of this resistance against antibiotics? How do you suggest to overcome this problem? **(20 Marks)**
- Q. No. 5:** Comment on natural mating and artificial insemination in farm animals. How selection of sires is important to improve the progeny in next generation? Explain the significance of different biotechnological tools in animal reproduction. **(20 Marks)**
- Q. No. 6:** You are invited to visit a poultry farm during the outbreak of a disease. What kind of different samples would you collect and how from this farm, for conducting which kind of examination? What are the different control measures would you suggest to control the outbreak of a disease in a poultry farm? **(20 Marks)**
- Q. No. 7:** What is diagnosis? Describe the principles of diagnosis. How clinical pathology laboratory helps in arriving the correct diagnosis of a disease? **(20 Marks)**
- Q. No. 8:** What is infertility and repeat breeding? Describe the causes of infertility and repeat breeding in detail. How we can overcome this issue in our livestock? **(20 Marks)**