



PUNJAB PUBLIC SERVICE COMMISSION
COMBINED COMPETITIVE EXAMINATION
FOR RECRUITMENT TO THE POSTS OF
PROVINCIAL MANAGEMENT SERVICE -2020

SUBJECT: VETERINARY SCIENCE (PAPER-I)

TIME ALLOWED: THREE HOURS

MAXIMUM MARKS: 100

NOTE:

- i. All the parts (if any) of each Question must be attempted at one place instead of at different places.
- ii. Write Q. No. in the Answer Book in accordance with Q. No. in the Q. Paper.
- iii. No Page/Space be left blank between the answers. All the blank pages of Answer Book must be crossed.
- iv. Extra attempt of any question or any part of the question will not be considered.

Attempt FIVE Questions in All. Attempt in Urdu or English.

- Q. No. 1:** What is zoonosis? Describe the etiology and pathogenesis of two viral and two bacterial zoonotic diseases. Also mention precautionary measures that should be adopted by a field veterinarian. **(20 Marks)**
- Q. No. 2:** What is the role of Sire in improving the production potential in next generations? Discuss the usefulness of Artificial Insemination and challenges faced in its successful implementation and give recommendations to overcome them. **(20 Marks)**
- Q. No. 3:** What is herd immunity and how it can be reached? Explain the risks associated with migration of animals from across provinces in Pakistan. What measures do you recommend to reduce the chances of disease spread? **(20 Marks)**
- Q. No. 4:** Increasing drug resistance is an important issue while treating the sick animals. What are major causes of drug resistance? Mention strategies to minimize this issue. **(20 Marks)**
- Q. No. 5:** Being a farm manager of 100 dairy cattle (indigenous and exotic breeds), what type of reproductive problems you may face in animal and how can you better manage them? **(20 Marks)**
- Q. No. 6:** What is the concept of Clean and Green Meat production? Pakistan being a country blessed with high number of animals is still unable to get maximum output from it. Mention the opportunities and challenges linked with meat production, processing and export. **(20 Marks)**
- Q. No. 7:** Explain the epidemic, endemic and pandemic with two examples each. How the pets, domestic animals and wild animals are affected by the COVID-19 issue around the globe. Give a veterinarian's perspective on this. **(20 Marks)**
- Q. No. 8:** Mention any two parasitic diseases in detail in equines that may lead to require surgical procedure. Also mention the best surgical procedure and post-operative care with reference to game/ show horses. **(20 Marks)**