

**COMBINED COMPETITIVE EXAMINATION FOR  
RECRUITMENT TO THE POSTS OF  
PROVINCIAL MANAGEMENT SERVICE, ETC - 2016**

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

**TIME ALLOWED: THREE HOURS**

**MAXIMUM MARKS: 100**

**NOTE:** Attempt FIVE Questions in All.

**Q No. 1:** Discuss classification of anti-parasitic drugs of veterinary importance. Describe their mechanisms of action and current status regarding resistance in the hosts in Pakistan?

**(20 Marks)**

**Q No. 2:** Describe embryo transfer technology. Discuss its complete procedure with regard to genetic improvement. Also enlist its advantages and disadvantages in livestock population in Pakistan.

**(20 Marks)**

**Q No. 3:** Enlist major non-infectious diseases in dairy cattle in our country. Describe in detail acidosis in ruminants.

**(20 Marks)**

**Q No. 4:** What are the precautionary measures for septic wound healing? How will you proceed for its treatment and what are the physiological phenomenon involved in wound repair in horses?

**(20 Marks)**

**Q No. 5:** Classify antibiotics in detail. Describe the mechanism of action, therapeutic uses and adverse effects of potentiated sulphonamides.

**(20 Marks)**

**Q No. 6:** Describe in detail the collection, preservation and dispatch of laboratory samples for disease diagnosis in dogs and cats. Also explain the techniques for postmortem examination and elaborate its key points.

**(20 Marks)**

**Q No. 7:** Write down the general principles of handling of toxicological cases. Discuss the tissue residues of veterinary drugs and their harmful effects on public health.

**(20 Marks)**