

ANIMAL HUSBANDRY AND VETERINARY SCIENCE
(Paper II)

Time Allowed : Three Hours

Maximum Marks : 300

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instructions carefully before attempting questions)

There are EIGHT questions divided in two Sections.

Candidate has to attempt FIVE questions in all.

Question Nos. 1 and 5 are compulsory and out of the remaining, any THREE are to be attempted choosing at least ONE question from each Section.

The number of marks carried by a question/part is indicated against it.

Wherever any assumptions are made for answering a question, they must be clearly indicated.

Word limit in questions, wherever specified, should be adhered to.

SECTION 'A'

1. Write short notes on any Three of the following in about 200 words each: **20×3=60**
- (a) Structure of sweat glands and their functions.
 - (b) Respiration in birds
 - (c) Drugs acting on Autonomous Nervous System.
 - (d) Significance of endocrine glands.
2. Discuss the following: **30×2=60**
- (a) Investigation techniques for diagnosis of bacterial diseases-especially for collection, preservation and dispatch of materials along with the laboratory procedures to be performed.
 - (b) Indications, diagnosis, treatment and management of 'cyanide' poisoning in cattle.
3. Describe etiology, transmission, diagnosis, prevention and control of rabies. Discuss its public-health significance/importance. **60**
4. In spite of advancement in diagnostic techniques due to development in the field of biotechnology and molecular biology why are diseases like Tuberculosis, 'Jhones disease', Brucellosis etc. still threatening to the Indian Live-Stock Economy/Industry? **60**

SECTION 'B'

5. Write short notes on any three of the following in about 200 words each: **20×3=60**
- (a) Role of Veterinarian in Public Health.
 - (b) Significance of preanaesthetic medications.
 - (c) Materials and methods for collections of samples for veterolegal investigation.
 - (d) Role of extension in Animal Husbandry Sector.
6. Discuss the following: **30×2=60**
- (a) Regulatory provisions in meat trade industry.
 - (b) Application of epidemiological measures in the study of diseases and disease control.

7. Enumerate viral diseases of poultry. Discuss different vaccines and vaccination schedules used for Ranikhet Disease (RD) and Infectious Bursal Disease (IBD). In spite of regular vaccination why are outbreaks of both the above diseases observed? **60**
8. Discuss indications and surgical interferences/interventions of hernia in cow, caesarian in buffalo and choking in horse. **60**