

ANIMAL HUSBANDRY AND VETERINARY SCIENCE
(Paper II)

Time Allowed : Three Hours

Maximum Marks : 250

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.

Attempts of questions shall be counted in sequential order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.

SECTION 'A'

1. Write notes on the following in about 150 words each: **10×5=50**
- (a) Practical approach for controlling spread of disease after floods, in the flood-affected areas in Jammu and Kashmir.
 - (b) Water pollution may result in a serious problem in chicken.
 - (c) Various uses of horn and hoof of slaughter animals.
 - (d) What is cell division? Write about the various functions of different body tissues in adult animal.
 - (e) How can chicken meat compensate for human health?
2. (a) Discuss the modern concepts and schedule of immunisation at an organised dairy farm. **20**
- (b) What is adulteration of meat? Describe in detail about the methods of detecting adulteration of beef. **20**
- (c) Write the procedure of testing and grading of raw milk at primary milk collection centre. **10**
3. (a) Discuss the musculo-skeletal system of flying birds as a rescue operation of their own. **20**
- (b) Discuss the regulations for improvement of animal quality in maintaining human health. **20**
- (c) Discuss the characteristics that determine the purchase of apparel wool. **10**
4. (a) Discuss the importance of ante-mortem care of animals in controlling health hazards. **20**
- (b) What is curing? How does it protect spoilage of meat, specially pork? **20**
- (c) Describe the marketing system of milk products in India. **10**

SECTION 'B'

5. Discuss the following in about 150 words each: **10×5=50**
- (a) Rules and regulations for prevention of cruelty to animals
 - (b) Epidemiological tools to study control of infectious diseases
 - (c) Chemotherapy of ectoparasites infestation

- (d) Pharmacological role of anticholinergic agents
- (e) “Zero disease” concept and chemoprophylaxis
- 6. (a) What do you mean by toxicity? Explain the various sources of toxicity. **10**
- (b) Describe in detail the important biochemical, biotechnological and immunological tests for diagnosis of viral diseases. **20**
- (c) Explain the current advances in the production of newer vaccines in poultry. **20**
- 7. (a) Give an account of the materials and methods of collection of samples for vetero-legal investigation. **20**
- (b) Discuss chemotherapy in neoplastic diseases. **10**
- (c) Describe the surgical intervention as regards Caesarean operation in large animal. **20**
- 8. (a) Give an account of the biochemical tests and their importance in the diagnosis of neurological disorders. **15**
- (b) Discuss the different types of environmental pollution and its effect on animal production. **15**
- (c) Discuss the modern concepts of diagnosis and treatment of production diseases of dairy livestock. **20**