

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.

All questions carry equal marks.

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:
 - (a) Chemotherapy in neoplasms
 - (b) Derivatives of embryonic veins
 - (c) Slipped tendon in poultry
 - (d) Milk homogenisation and its use
2. Discuss the epidemiological features of food-borne infections. What are the epidemiological tools you will use for investigation of a suspected water-borne disease outbreak?
3. Describe the mechanisms of the drug action along with the concepts of its classification. Discuss the toxicity which may occur due to Sulfonamide treatment.
4. Enumerate different diseases encountered during meat inspection of poultry. Discuss the differentiating lesions and the line of action in such cases.

SECTION 'B'

5. Write short notes on any three of the following in about 200 words each:
 - (a) Rabbit as a source of meat and fibre
 - (b) Role of tissue fixatives
 - (c) B. Cells
 - (d) Pre-anaesthetic agents
6. Give the BIS standards for standard milk, toned milk and double toned milk. State how each one is processed in a dairy plant. Give ways and means to reduce the operational costs of a medium sized dairy plant.
7. Describe the advances in the development of diagnosis of animal diseases. Discuss the role of nucleic acid hybridization in disease diagnosis for animal health strategy.
8. Successful preventive measures provide economic viability to livestock industry. Outline the important diseases affecting livestock and describe the effective preventive measures to be adopted to keep the livestock population healthy.