

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) Zero Rinderpest Programme
 - (b) Importance of hoof management in horses
 - (c) Blood groups and their role in blood transfusion in canines
 - (d) Functional anatomy in relation to flying in birds
2. Justify that 'liver is a vital organ'. Discuss the tests that may be used for diagnosing hepatic disorders in live animals.
3. Discuss the role of various milk products in transmission of diseases in human beings.
4. What are the important deficiency diseases in bovines and how do these diseases affect productivity?

SECTION 'B'

5. Write short notes on any three of the following in about 200 words each
 - (a) Role of blood-brain-barrier in drug metabolism
 - (b) Economic feasibility of sustainable milk production
 - (c) Methods for increasing carcass yield
 - (d) Osmotic regulation
6. Discuss the development of lymphoid organs during post natal stage with emphasis on their role in host defence mechanism.
7. Discuss various animal husbandry programmes for rural development. Discuss the various constraints in its implementation. What measures will you recommend for its rectification?
8. Describe five important viral diseases in buffaloes. What control measures may be adopted for their prevention?