

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) Genetic aberrations
 - (b) Allergic reactions
 - (c) Syndesmochorial placenta
 - (d) Fish borne zoonosis
2. Describe the effects of inbreeding. What is the usefulness of inbreeding and the reasons for it being practiced for livestock improvement programmes? How the intensity of inbreeding could be measured?
3. Selection is considered the keystone of the arch of animal improvement. Discuss the process adopted for selecting more than one trait in a breeding programme, Describe the effect of environment on selection process.
4. What is meant by 'HACCP'? Discuss its relevance in relation to production, processing and marketing of wholesome meat. Describe the various byproducts of the meat industry and their economic importance.

SECTION 'B'

5. Write short notes on any three of the following in about 200 words each:
 - (a) Animal disease associated with water supply
 - (b) Physiological adaptation at high altitude
 - (c) T. Cells
 - (d) Salting of cheese
6. How will you assess the prevalence of Brucellosis in a herd? Discuss the measures you will recommend for its eradication.
7. Immune response to infectious agents play an important role. Discuss the immune response and the mechanism of immunosuppression in poultry due to important vital infections.
8. Discuss the modern methods of information technology that can be applied to educate the Indian farmers on animal health and welfare.