

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) Rickettsial zoonotic diseases
 - (b) Deficiency diseases in bovines
 - (c) Role of endoderm in development of embryo in bovines
 - (d) Antiviral drugs
2. Discuss the advances in the development of diagnostic techniques of animal diseases. **60**
3. Discuss the effect of environment on animal function and performance. How is the homeostasis maintained? **60**
4. Discuss the economic implications of utilization of slaughter house by-products and organ products for food and pharmaceuticals. **60**

SECTION 'B'

5. Write short notes on any three of the following in about 200 words each: **20×3=60**
- (a) Yoghurt
 - (b) Autocoids
 - (c) Packaging of meat
 - (d) Rumenotomy
6. Discuss epidemiology, role of vectors in transmission, pathogenesis, latest methods of diagnosis and control of rabies in animals by using modern vaccines. **60**
7. In a remote village, the technology developed by scientists has to be transferred to the farmers. What are the different methods to be adopted to achieve this? What are the constraints in transfer of technology? **60**
8. Discuss the principles and methods of immunization and chemoprophylaxis against infectious animal diseases. **60**