

# Indian Forest Service

## ANIMAL HUSBANDRY AND VETERINARY SCIENCE

### Paper—II

Time Allowed : Three Hours

Maximum Marks : 200

#### INSTRUCTIONS

*Candidates should attempt questions 1 and 5 which are compulsory, and any THREE of the remaining questions, selecting at least ONE question from each Section.*

*All questions carry equal marks.*

*The number of marks carried by each part of a question is indicated against each.*

*Answers must be written in ENGLISH only.  
Suitable diagrams may be drawn, wherever required.*

#### SECTION—A

1. Write short notes on any **FOUR** of the following in about 150 words each :— 10×4=40
- (a) Amyloidosis.
  - (b) Pregnancy toxaemia in ewes
  - (c) Colibacillosis.
  - (d) Peste des petitis ruminants
  - (e) Renal function tests.

2. (a) What is your assessment of annual availability of different types of residues/byproducts and wastes from livestock, fisheries and poultry and their present uses in India ?
- (b) Discuss the strategies to control the Foot and Mouth disease in India.  $20 \times 2 = 40$
3. (a) How are the antibiotics in manure and soil, a grave threat to animal health ? What are the alternatives to antibiotics growth promoters/veterinary neutraceuticals ?
- (b) Discuss biomarkers and measures to assess environmental pollution.  $20 \times 2 = 40$
4. (a) Discuss various types of anaemias in animals, their diagnosis and treatment.
- (b) Discuss the epidemiological measures in study of infectious diseases and their control.  $20 \times 2 = 40$

**SECTION—B**

5. Write short notes on any **FOUR** of the following in about 150 words each :--  $10 \times 4 = 40$
- (a) Exfoliative cytology
- (b) Biopsy
- (c) Ionizing radiation
- (d) Photosensitization
- (e) Irradiation preservation of meat.

6. (a) Discuss theory and practice of post-mortem in animals.  
(b) Give an account of duties and functions of Veterinarians in wholesome meat production.  $20 \times 2 = 40$
7. (a) Describe various mycotoxins in poultry feeds and their control measures.  
(b) In a big zoological park, how will you establish an animal Health-cum-disease diagnostic centre ?  
 $20 \times 2 = 40$
8. Discuss meat, fish, shelfish and mollusk borne zoonotic parasitic diseases. What is their present status in India and what are the methods to diagnose and prevent these diseases in animals and man ?  $40$