

# IAS Mains Animal Husbandry and Veterinary Science 1996

## Paper-II

### 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.