

# IAS Mains Animal Husbandry and Veterinary Science 2003

## Paper-II

### Section A

1. Write short notes on any three of the following in about 200 words each: ( $20 \times 3 = 60$ )
  - a. Canning of meat products
  - b. Grading of wool
  - c. Chemotherapy in neoplastic diseases
  - d. Types of placentation in domestic animals
2. Discuss the following: ( $30 \times 2 = 60$ )
  - a. Rules and regulations for prevention of cruelty to animals.
  - b. Epidemiological tools to study control of infectious diseases.
3. Classify the-zoonotic diseases and describe various factors responsible for their prevalence and transmission (60).
4. Discuss various biochemical, bio-technological and immunological tests and their significance in the diagnosis of animal diseases (60).

### Section B

5. Write short notes on any three of the following in about 200 words each: ( $20 \times 3 = 60$ )
  - a. Cell division
  - b. Respiratory and renal-regulation of acid base balance
  - c. Antimicrobial agents
  - d. CD4 cells
6. Given an account of: ( $30 \times 2 = 60$ )
  - a. Diagnosis and treatment of Bloat in cattle
  - b. Grading of pig carcasses
7. Discuss modern methods of preservation and packaging of meat and meat products (60).
8. Describe the symptoms, post-mortem lesions and diagnosis of Brucellosis in cattle. Discuss its economic importance in milk production (60).