

CSM : 17

ANIMAL HUSBANDRY AND VETERINARY SCIENCE

PAPER - II

Time Allowed : 3 hours

Full Marks : 100

Marks for each question is indicated against it.

Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.

PART - A

1. Define placentation. What are the different types of placental arrangement found in domestic animals? Discuss the differences in the anatomy of fowl in relation to its reproductive system. **(5+10+5=20)**
2. What do you mean by antimicrobials? Discuss the merits and demerits of antibiotics in modern day practices of animal rearing. **(5+15=20)**
3. Discuss about etiology, pathogenesis, clinical findings, treatment and control of haemorrhagic septicaemia disease in cattle? **(20)**
4. What do you mean by Herd Immunity? Discuss the principles and methods for immunization of animals against diseases. **(5+15=20)**

PART - B

5. What is zoonotic disease? Classify zoonotic diseases as per the agent involved and mode of transmission. Give examples for each type. **(4+12+4=20)**
6. What is clean milk? Describe the essential steps to produce clean milk in small scale dairy farms. What is pasteurization? Tabulate the time - temperature combinations of HTST, LTLT and ultrapasteurization. Enlist fat contents of following milk products - standardized milk, toned milk, double toned milk, butter, ice cream. **(2+8+2+3+5=20)**
7. What is the importance of ante-mortem inspection of food animals? Explain the meat inspection procedures and judgment of carcass? What are the duties and functions of veterinarian in wholesome meat production? **(5+5+10=20)**
8. Give the composition and nutritive value of eggs. What precaution should be taken to prevent microbial spoilage in the marketing of eggs? **(10+10=20)**

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