

CSM : 14

ANIMAL HUSBANDRY & VETERINARY SCIENCE

PAPER - I

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. (a) Define feed additives. Describe the important feed additives and their role in animal feed. (10)
(b) Comment on the nutrient requirements of pregnant animals. (10)
2. What are the special features of poultry nutrition? Describe the nutrients requirement for meat and egg production and feed formulation for broiler production. (20)
3. Write in detail regarding the physiology of lactogenesis, galactogenesis and milk ejection or letdown. Also comment on the importance of feeding colostrums to neonates. (2×10=20)
4. Describe in detail the procedure of cryopreservation of bovine semen. Narrate the qualities of ideal semen dilutor along with its composition. (20)

PART B

5. Define weaning. What should be the standard age and weight in case of piglets? Briefly discuss the care and management of piglets from birth to age of weaning. (20)
6. Differentiate between meiosis and mitosis. Why is meiosis called as reduction division? In case of mitosis clearly elucidate the phases. (10+5+5=20)
7. What is inbreeding? Discuss in detail the genetic and phenotypic effects of inbreeding. What are the genetic bases for effects of inbreeding? (20)
8. What are the different methods recommended to educate farmers under rural conditions? What are the different animal husbandry programmes for rural development? (20)

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