

CSM—12/23
PART—II/PAPER—VI
ANIMAL HUSBANDRY & VETERINARY SCIENCE
PAPER—I

Candidate
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this margin.

Time : 3 Hours

Full Marks : 250

*The question paper contains **18 (Eighteen)** questions
in **GROUP—A (12)** and **GROUP—B (06)** together.*

GROUP—A

*Candidates to attempt **10 (ten)** questions within word limit of **250**.
Each question carries **15** marks.*

1. What is loose housing system? Why is it important in the Indian context? Discuss briefly the advantages of such system in commercial dairy farming.
2. Mention the procedures to be followed after calving. Write the importance of colostrum feeding.
3. Discuss the following :
 - (i) Prenating
 - (ii) Steaming up
 - (iii) Flushing
4. Discuss weaning management in pig farming. What is creep feeding? Discuss briefly about the feeding of growing and finishing pig.
5. What are the different types of stress in poultry? Discuss briefly the management of heat stress in poultry farm.
6. What is scarcity fodder? Write the importance of fodder trees. How can silvopasture improve farm productivity?
7. How do you classify the animal feeding stuffs? Discuss feed additives and their use in livestock and poultry.

8. Why is detection of heat important in commercial dairy farm? Mention the signs of estrous. Discuss the right time for A.I.
9. Discuss the advantages of rabbit farming. Name a few breeds of rabbit. Write the feeding schedule of different types of rabbits.
10. What is lactation? What are the different stages of lactation? Write the effect of environmental stress on lactation.
11. Mention the advantages of artificial insemination. What are the five steps of A.I.? Write the method of collection of semen using artificial vagina.
12. Discuss briefly the nutritional requirement of chicks, grower and layer birds. Suggest the ration of such birds.

**Candidate
must not
write on
this margin.**

GROUP—B

Candidates to attempt 05 (five) questions within word limit of 300.

Each question carries 20 marks.

13. What are the different types of rations in livestock? A murrah buffalo is weighing 500 kg and yielding 10 kg milk per day. Calculate the balanced ration for a day for the buffalo when feeds like wheat bhusa, berseem, groundnut cake, barley grain and wheat bran are available.
14. Define Genetics. Mention Mendel's laws of inheritance. What are the different cases of modified Mendelian inheritance? Discuss with suitable examples.
15. What is selection? Mention the different methods of selection. What is the response to selection and what are the factors affecting it?
16. Write down the classification of mating systems. Discuss in brief the different forms of outbreeding.
17. Discuss in detail the different chromosomal aberrations with suitable examples.
18. Discuss the different economic traits of goat and poultry in detail.

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