

CSM : 24

**ANIMAL HUSBANDRY & VETERINARY SCIENCE
PAPER - I**

Time Allowed : 3 hours

Maximum Marks : 100

QUESTION PAPER SPECIFIC INSTRUCTIONS

(Please read each of the following instruction carefully before attempting questions)

There are eight (8) questions - four (4) questions each in Part A & B. Each question carries 20 marks. Marks for each question is indicated against it.

Compulsory questions :

- (a) Question No. 1 from Part-A and
- (b) Question No. 5 from Part-B

[Compulsory questions No. 1 & 5 have 4 (four) Sub-questions carrying 5 marks each.]

Total No. of questions to be attempted :

5 (five) questions.

[A candidate shall attempt 2 (two) compulsory questions from Part A and B. Out of the remaining 6 (six) questions, 3 (three) are to be attempted taking at least 1 (one) but not more than 2 (two) questions from each Part]

Word Limit:

- (a) Compulsory questions carrying 5 marks shall have a limit of 150 words.
 - (b) There shall be no word limit for the remaining questions.
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PART - A

1. Write notes on the following: (4×5=20)
 - (a) Utilization of Nitrogen in Ruminant animals.
 - (b) Biosecurity measures in poultry farm
 - (c) Describe the signs and symptoms of Cu deficiency in sheep and cattle.
 - (d) Partioning of Food energy
2. Define probiotics and give its classification. Mention the characteristics of probiotics and its use as growth promoter. (10+10=20)
3. What are the various causes of anoestrus? How you will approach to treat an anoestrus cow. (5+15=20)
4. Write the importance of feeding colostrum to a newborn calf. Discuss the feeding schedule of a calf and high yielding dairy cows. (5+15=20)

PART-B

5. Write notes on the following: (4×5=20)
 - (a) Housing requirement for pregnant Sows.
 - (b) Prospect and constraints of small ruminant farming in Mizoram.
 - (c) Mixed and diversified farming.
 - (d) Selection criteria of a breeding buck.
6. Name the meat breeds of goat of India. Write the important characteristics of each breed of goat. (5+15=20)
7. Discuss on the significance of record keeping in Livestock farming and the advantages and disadvantages of record keeping. (5+15=20)
8. Describe the strategies for feeding and management of livestock during and after natural calamities. (10+10=20)

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