

CSM—13/22

**ANIMAL HUSBANDRY &
VETERINARY SCIENCE**

PAPER—II

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

Time : 3 Hours

Full Marks : 250

*The figures in the right-hand margin indicate marks.
Candidates should attempt **any 10 (ten)** questions of
GROUP—A with word limit of 250 words and should
attempt **any 5 (five)** questions from **GROUP—B**
with word limit of 300 words.*

GROUP—A

Answer *any ten* questions :

15×10=150

1. Highlight on brachial plexus and its branches in large ruminant. Briefly explain about various nerve blocks.
2. Briefly explain effects of ions on heart function. Write short notes on cardiac cycle and electrocardiogram.
3. What are antimicrobials? Classify various antimicrobials/antibiotics and briefly explain their mode of action.
4. Write a short note on importance of climate in animal health. Briefly highlight on the animal housing requirements for pregnant cows and milch cows.
5. Define Hygiene. Discuss different sources of contamination in animal house in detail and also discuss protocols for animal house hygiene.
6. Write in detail about various rules and regulations of animal quarantine and prevention of animal diseases.
7. Write down basic philosophy, objectives, concept and principles of extension. What are the different methods adopted to educate farmers under rural conditions?

- 8.** Briefly highlight on various animal husbandry programmes for rural development.
- 9.** Write in detail about etiology, symptoms, diagnosis and treatment of ketosis in cattle.
- 10.** Write in detail about pathogenesis, clinical signs and symptoms, diagnosis and control of Foot and Mouth Disease (FMD) in cattle.
- 11.** Write in detail about pathogenesis, clinical signs and symptoms, diagnosis and control of Newcastle's Disease (ND) in poultry.
- 12.** Write in detail about testing, grading and judging of milk products. Briefly explain BIS and Agmark specifications for milk products.

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

GROUP—B

Answer *any five* questions :

20×5=100

- 13.** Briefly highlight various physical and chemical properties of meat and discuss in detail about various methods of preservation of meat.
- 14.** What are various adulterants of meat? How do you detect meat adulteration? Write in brief about various regulatory provisions regarding meat safety and trade.
- 15.** What do you mean by 'Clean Milk production'? Write down on various legal standards and sanitation requirements for clean and safe milk production.
- 16.** What is Peste des Petits Ruminants (PPR)? Write about host range, pathogenesis, clinical signs and symptoms, diagnosis and control of PPR.
- 17.** Classify various types of fractures of long bone in large ruminants. Write down about surgical interventions in fracture.
- 18.** What do you mean by zoonoses? Classify various types of zoonoses. Write a brief note on routes of transmission of zoonotic diseases.

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