

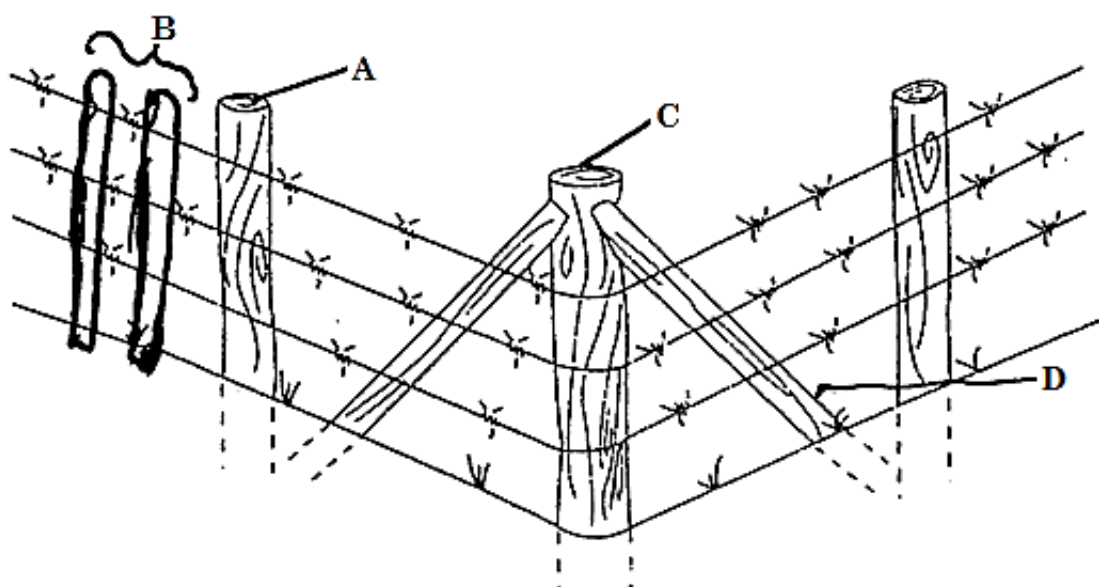
SECTION A (30 Marks)

1. Give four factors that determine the nutritional requirement in dairy cattle.
2. What is cropping in fish farming?
3. Give four structural requirements of a calf pen.
4. Differentiate between Apiculture and Aqua-culture in livestock farming.
5. Give four reasons of steaming up in sheep.
6. Give four reasons for feeding bees.
7. State four symptoms of new castle disease in poultry.
8. Differentiate between crutching and ringing in livestock production.
9. Give two characteristics of a gizzard that enable it to digest food.
10. State four qualities of a good creep feed.
11. State four advantages of spray race over a Plunge Dip.
12. Give four reasons why Ewes disown their lambs.
13. What is heterosis (hybrid vigour) as applied in livestock breeding
17. Name two masonry tools used during construction to check whether the wall of a building is vertical.

SECTION B (20 Marks)

18. The diagram below represents a type of farm fence.

Study it carefully and answer the questions that follow.



- a) Identify the type of farm fence illustrated above. (1 mark)

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b) Name the parts labelled A, B, C and D. (2 marks)

A.....

B.....

C.....

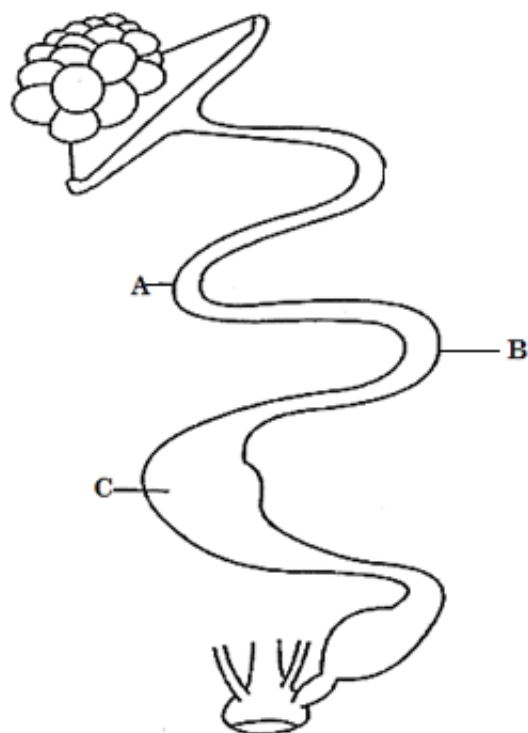
D.....

c) State two reasons why the above fence is not recommended for sheep rearing. (2 marks)

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19. Below is a diagram representing the reproductive system in poultry.

Study it and answer the questions that follow.



a) Name the parts labelled A, B and C. (3 marks)

A.....

B.....

C.....

b) State two substances added to the egg at section C. (2 marks)

20. The following is an illustration of a chick suffering from malnutrition.



a) Identify the condition the chick in the diagram is suffering from. (1 mark)

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b) Identify the vitamin deficiency shown by the chick. (1 mark)

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c) State three functions of vitamins in poultry. (3 marks)

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SECTION C (40 Marks)

21. a) Explain six general methods of disease control in livestock production. (12 marks)

b) Describe the management practice during parturition in a cow. (8 marks)

22. a) Discuss mastitis disease in dairy cattle under the following sub-headings.

i. Causal organism (1 mark)

ii. Pre-disposing factors. (5 marks)

iii. Symptoms of attack. (3 marks)

iv. Control and treatment. (5 marks)

b) Outline six importance of keeping animals healthy. (6 marks)

23. a) Outline five safety practices observed when using workshop tools and equipment. (5 marks)

b) Explain five reasons why farmers should always maintain their farm tools and equipment in good conditions. (10 marks)

c) State five physical characteristics of a typical dairy cattle. (5 marks)