

SECTION A (30 MARKS)

Answer all the questions in this section in the spaces provided.

1. Give three factors that affect the quality of honey. (1½ marks)
2. State three conditions that make a cow to withhold milk during milking. (1½ marks)
3. State four signs of furrowing observed in pigs. (2 marks)
4. Give three factors that may make birds to lay eggs on the floor in a deep litter. (1½ marks)
5. Give three characteristics of clean and high quality milk. (1½ marks)
6. Outline four control measures of round worms. (2 marks)
7. State four signs of liver fluke infestation in cattle. (2 marks)
8. Give four reasons of breeding in cattle. (2 marks)
9. List four methods of preserving fish. (2 marks)
10. Name two classes of livestock feedstuffs. (1 mark)
11. Give two roles of ovaries in cows' reproductive system. (1 mark)
12. Give two reasons for flushing in sheep. (1 mark)
13. Give four reasons for treating timber used in construction of farm buildings. (2 marks)
14. State four factors that influence the daily water intake in an animal. (2 marks)
15. Name two functions of a clutch in the tractors transmission system. (1 mark)
16. Give four characteristics of a good calf pen. (2 marks)

17. State four factors that influence the choice of the poultry system of rearing to use. (2 marks)

18. State four routine management practices carried out on a replacement stock that is a heifer. (2 marks)

Section B (20 MARKS)

Answer ALL questions in this section in the spaces provided.

19. The diagram below is a cross section of part of a cow's udder.

- a. Name the parts marked A, B, C and D. (2 marks)
- b. Name two hormones that control milk let down in a dairy cow. (2 marks)

By Dr. Rakdafa 0742783642

c. What is a dry cow therapy? (1 mark)

20. The diagram below shows the head of a chicken having symptoms of a poultry disease

By Dr. Rakdafa 0742783642

- a. Identify the disease. (1 mark)
 - b. Give two reasons why the disease is of economic importance. (2 marks)
 - c. Outline two methods of controlling the above disease. (2 marks)
21. The following diagram shows parts of a roof. Study it carefully and answer the questions that follow.

By Dr. Rakdafa 0742783642

- a. Name the parts labeled P, Q, R and S. (2 marks)
 - b. State the functions of P and Q. (2 marks)
 - c. Give two chemical preservatives for treating timber before use in the construction of farm structures. (2 marks)
22. Below is a diagram of power transmission system of tractor engine. Study it and answer the question that follows.

By Dr. Rakdafa 0742783642

- a. Name the parts labeled E, F, G and H. (2 marks)
- b. State the functions of E and H. (2 marks)

Section C (40 MARKS)

Answer ANY TWO questions from this section.

23. a. Describe five pre-disposing factors of livestock diseases. (5 marks)

b. Describe six mechanical methods of controlling ticks. (6 marks)

c. Describe the factors that affect milk composition of a cow. (9 marks)

24. a. State five advantages of farm mechanization. (5 marks)

b. Explain five advantages of using a mould board plough in seed bed preparation. (5 marks)

c. Describe the use of various materials in construction of a Kenya Top bar hive. (5 marks)

d. Outline the care and maintenance of a tractor water cooling system. (5 marks)

25. a. State four physical characteristics of a dairy cow. (4 marks)

b. State nine factors to consider when selecting livestock for breeding. (9 marks)

c. Describe milk fever in dairy cattle under the following sub-headings.

i. The cause of the disease (1 mark)

ii. Symptoms of the disease (4 marks)

iii. Control measures (2 marks)