Instructions to candidates

(a) Write your name and index number in the spaces provided above.
(b) Sign and write the date of the examination in the spaces provided above.
(c) This paper consists of three sections: A, B and C.
(d) Answer all the questions in section A and B and any two questions in section C.
(e) All answers should be written in the spaces provided on the question paper.
(f) This paper consists of 16 printed pages.
(g) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
(h) Candidates should answer the questions in English.

For Examiner’s Use Only

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Total Score 90
SECTION A (30 marks)

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

1. Name four rabbit breeds reared in Kenya. (2 marks)

2. Give the meaning of the following terms as used in livestock health.
   (a) disease (1 mark)

3. State four advantages of artificial calf rearing in dairy cattle management. (2 marks)
4. List **four** materials that can be used in the construction of a Kenya Top Bar Hive. (2 marks)

5. Give **four** features of housing that help to control livestock diseases. (2 marks)

6. State **four** characteristics of the Duroc Jersey pig. (2 marks)

7. Give **four** characteristics of a good site for a fish pond. (2 marks)
8. Name **four** systems of a tractor engine. (2 marks)

9. What is dry cow therapy? (1 mark)

10. Give **two** reasons for steaming up in dairy cattle management. (2 marks)

11. State **four** maintenance practices for a disc plough. (2 marks)

12. List **four** preventive measures for livestock diseases. (2 marks)
13. Give two reasons for using litter in a poultry house. (1 mark)

14. State four disadvantages of a fold system in poultry rearing. (2 marks)

15. State four practices that come immediately after complete milking in a milking shed. (2 marks)

16. List four tools that are used when laying concrete blocks during construction of a wall. (2 marks)
SECTION B (20 marks)

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

17. Below is a diagram illustrating an instrument used in cattle breeding. Study it carefully and answer the questions that follow.

(a) Identify the instrument. (1 mark)

(b) State the role of the instrument in cattle breeding. (1 mark)

(c) When should it be appropriate to serve a cow after onset of heat? (1 mark)

(d) Apart from the method in which the above instrument is used, name two other methods of serving a cow. (2 marks)
18. The diagram below is an illustration of an egg. Study it carefully and answer the questions that follow.

(a) Name the parts labelled B, C, D and F

   B ......................................................................................... (½ mark)
   C ......................................................................................... (½ mark)
   D ......................................................................................... (½ mark)
   F ......................................................................................... (½ mark)

(b) State two qualities of the part labelled A that should be considered when selecting eggs for incubation. (2 marks)

   .........................................................................................
   .........................................................................................

(c) What is the function of the part labelled E in a fertilised egg? (1 mark)

   .........................................................................................
19. The photograph below illustrates a method of identification labelled x in cattle. Study it carefully and answer the questions that follow.

(a) Name the identification method. (1 mark)

(b) Explain three disadvantages of the identification method. (3 marks)
20. Below is a picture illustrating a farm implement. Study it carefully and answer the questions that follow.

(a) Identify the implement illustrated above. (1 mark)

(b) State the use of the:

(i) Implement on the farm. (1 mark)

(ii) Part of the implement labelled J. (1 mark)
21. Below is a diagram of a knapsack sprayer. Study it carefully and answer the questions that follow.

(a) Name the parts labelled N, P, Q and R.

N ................................................................. (½ mark)

P ................................................................. (½ mark)

Q ................................................................. (½ mark)

R ................................................................. (½ mark)

(b) State one function of the part labelled S ................................................................. (1 mark)
SECTION C (40 marks)

Answer any two questions in this section in the spaces provided after question 24.

22.  (a) (i) Describe short-term tractor servicing.  
     (ii) Explain the maintenance practices that should be carried out on an ox-cart.

(b) State five indicators that can be observed on a goat to confirm sickness.

23.  (a) Describe the uses of fences on the farm.

(b) Give five harmful effects of liver flukes in sheep rearing.

(c) Explain the factors considered when culling livestock.

24.  (a) Describe ten physical characteristics a poultry farmer would use to identify poor layers from a flock of hens.

(b) (i) Outline three characteristics of clean milk.
     (ii) Explain seven factors that affect milk composition in dairy farming.