INSTRUCTIONS TO CANDIDATES

1. Write your name and index number in the spaces provided.

2. Sign and write the date of examination in the spaces provided above.

3. This paper consists of three sections A, B and C. Answer all questions in section A and B.

4. Answer two questions from Section C

5. Answer to ALL questions MUST be written in the spaces provided.

FOR EXAMINER’S USE ONLY

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This paper consists of 12 printed pages. Candidates should check the question paper to ensure that all pages are printed as indicated and no questions are missing.
SECTION A (30MARKS)

Answer all question in the spaces provided

1. Name a pig breed with the following features White body colour, erect ears, dished snout, big in body size  
   .............................................................................................................................................. (½mk)

2. What does the term ‘epistasis’ mean in livestock improvement?  
   .............................................................................................................................................. (1mks)

3. Give four reasons of treating timber before roofing farm buildings  
   .............................................................................................................................................. (2mks)

4. State four abnormalities of eggs that can be detected during egg candling. (2mk)
   ..............................................................................................................................................
   ..............................................................................................................................................
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5. Give two parasites of cattle which are also disease vectors  
   .............................................................................................................................................. (1mks)

6. State four ways of minimizing disowning of lambs by ewes  
   .............................................................................................................................................. (2mk)

7. Name a tool used for tightening barbed wires fencing  
   .............................................................................................................................................. (½ mk)
8. Mention two predisposing factors of foot rot disease in sheep (1mk)

9. State four advantages of hedges (2mks)

10. (a) Define the term “Zoonotic disease” (1mk)

(b) Give two examples of Zoonotic diseases (2mk)

11. Name the three methods of livestock selection (1 ½ mks)

12. Differentiate between the following breed terms (2mks)
   (i) Bull and Bullock
(ii) Billy and Nanny

13. Calculate how much of wheat (35% D.C.P) would be mixed with sunflower feed cake (10% D.C.P) to come up with duck mash 20% D.C.P (3mks)

14. State four good qualities of honey (2mks)

15. State four desirable features of a rabbit hutch (2mks)

17. Why is it necessary to provide grit to birds (1mk)

19. Name three dual purpose breeds of cattle (1 ½ mk)

20. State four ways in which vaccines may be administered to animals (2mks)
21. Study the diagram below and answer the questions that follows

a) (i) Identify the structure above (½mk)

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

(ii) Identify the parts labeled P, Q, R and S (2mks)

P.................................................................................................................................................................
Q.................................................................................................................................................................
R.................................................................................................................................................................
S.................................................................................................................................................................

b) What is the importance of grass on the structure (½mk)

........................................................................................................................................................................
........................................................................................................................................................................
c) State any two factors a farmer needs to consider before starting the above identified agricultural production (2mks)

22. The illustration below shows a livestock equipment. Study it and answer the questions that follows

(a) Identify the above diagram (½mk)

i) ........................................................................................................................................................................

ii) Name the parts labeled A and B (1mk)

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

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b) Describe the procedure of collecting semen from a bull using the equipment above (4mks)

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23.

(a) Identify the tools B, M, N, O  

B.....................................................................................................................

M.....................................................................................................................

N.....................................................................................................................

O.....................................................................................................................

(b) Give one functional advantage of tool M over tool N  

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24. The diagram below represents a farm structure. Study the diagram and answer the questions that follow.

(a) (i) Identify the structure (½ mk)

(ii) How high should the floor be raised above the ground level? (½ mk)
(b)(i) Give one reason for having the floor of the calf pen raised.  (1 mk)

(ii) State three factors that should be considered in sitting the calf  (3 mk)

SECTION C (40 MARKS)

Answer any TWO questions in this section in the spaces provided after last question

25(a) Describe the management practices carried out in poultry production (10mks)

(b) Characteristics of clean and quality milk (5mks)
(c) Five reason for maintaining animal healthy (5mks)

(a) Causal organism (1mk)

(b) Signs of infection (5mks)

26. Describe Anthrax disease under the following headings

(a) Causal organism (1mk)

(b) Signs of infection (5mks)
(c) Control and measures  (4mks)

27.  (a) Describe the factors to consider when siting a beehive to prevent swarming  (5mks)
(b) Sign of farrowing  (5mks)

(c) Importance of lubrication system in tractor engine  (2mks)

(d) Name and describe the four stroke cycle  (8mks)