INSTRUCTIONS

- Write your name and index number in the spaces provided above.
- Sign and write the date of examination in the space provided above.
- Answer all the questions in sections A, B and any two questions from section C.
- Answers must be written in the spaces provided in this booklet.

FOR EXAMINER’S USE ONLY

<table>
<thead>
<tr>
<th>Sections</th>
<th>Questions</th>
<th>Maximum Score</th>
<th>Candidate’s score</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1 – 19</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>17 – 23</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>24 – 26</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL SCORE</td>
<td>90</td>
<td></td>
</tr>
</tbody>
</table>
SECTION A (30 MARKS)

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

1. What is "dry cow therapy" (1 mk)
   ______________________________________________________________________________________
   ______________________________________________________________________________________

2. Name a tool used for tightening barbed wires during fencing. (½ mk)
   ______________________________________________________________________________________

3. State four maintenance requirements of a jackplane (2 mks)
   (i) ____________________________________________________________________________________
   (ii) __________________________________________________________________________________
   (iii) _________________________________________________________________________________
   (iv) _________________________________________________________________________________

4. List three precautions taken when seasoning timber by air for construction (1 ½ mks)
   (i) __________________________________________________________________________________
   (ii) __________________________________________________________________________________
   (iii) ________________________________________________________________________________

5. State two desirable qualities of a livestock ration. (1 mk)
   (i) __________________________________________________________________________________
   (ii) _________________________________________________________________________________

6. Name two methods used by farmers to prevent piglet anaemia (1 mk)
   (i) __________________________________________________________________________________
   (ii) _________________________________________________________________________________

7. State Four causes of stress to a flock of layers (2 mks)
   (i) __________________________________________________________________________________
   (ii) __________________________________________________________________________________
   (iii) ________________________________________________________________________________
   (iv) ________________________________________________________________________________

8. State two disadvantages of inbreeding in dairy cattle production (1 mk)
   (i) __________________________________________________________________________________
   (ii) __________________________________________________________________________________
9. List Four non-chemical methods of controlling ticks in cattle (2 mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________
(iv) ____________________________________________

10. Give three examples of a one-host tick (1 ½ mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________

11. State Four disadvantages of natural mating as a method of breeding in dairy cattle. (2 mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________
(iv) ____________________________________________

12. State Four qualities of clean milk. (2 mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________
(iv) ____________________________________________

13. Name three types of lubrication systems of a tractor. (1 ½ mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________

14. Outline four maintenance practices carried out on trailers (2 mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________
(iv) ____________________________________________

15. State four reasons for dehorning cattle. (2 mks)
(i) ____________________________________________
(ii) ____________________________________________
(iii) ____________________________________________
(iv) ____________________________________________
16. (a) Why is too much air in the Silo, undesirable in the process of making silage? (1 mk)

(b) Name three types of silos for making silage (1 ½ mks)
   (i) ____________________________________________________________
   (ii) ____________________________________________________________
   (iii) ____________________________________________________________

17. State four symptoms that will show that a cow is suffering from milk fever. (2 mks)
   (i) ____________________________________________________________
   (ii) ____________________________________________________________
   (iii) ____________________________________________________________
   (iv) ____________________________________________________________

18. State three observation features that help differentiate the dromedary camel from the bactrian camel (1 ½ mks)
   (i) ____________________________________________________________
   (ii) ____________________________________________________________
   (iii) ____________________________________________________________

19. Give two importance of additives in livestock feed. (1 mk)
   (i) ____________________________________________________________
   (ii) ____________________________________________________________

Section B (20 MARKS)

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

20. The illustration below represents equipment used in poultry production. Study it carefully and answer the questions that follow.
(a) Identify the equipment

____________________________________________________________________________________

(b) Name the parts labeled A, B and C

A. __________________________________________________________

B. __________________________________________________________

C. __________________________________________________________

(c) What is the function of the parts labeled A, B and C

A. __________________________________________________________

B. __________________________________________________________

C. __________________________________________________________

(d) Why is it important to turn the eggs around 180° every 6 – 8 hrs?

__________________________________________________________________________________

__________________________________________________________________________________

__________________________________________________________________________________

21. Study the illustration below and answer the questions that follow.

(a) Identify the parts labeled D, E, F and G.

D. __________________________________________________________

E. __________________________________________________________

F. __________________________________________________________

G. __________________________________________________________
(b) State two uses of part labeled F  
(i) ____________________________  
(ii) ____________________________  

(c) Outline two reasons why it is important to have the structure labeled G at the edge of the roofing materials  
(i) ____________________________  
(ii) ____________________________  

22. (a) Identify the tools illustrated below.  
(1 mk)  

H. ____________________________  
I. ____________________________  

(b) State one use of each of the above tools  
(2 mks)  
H. ____________________________  
I. ____________________________  

(c) State two maintenance practices carried out on tool I.  
(2 mks)  
(i) ____________________________  
(ii) ____________________________
23. Study the diagram of a biogas plant below and answer the questions that follow.

(a) Name the main component of biogas that is trapped in part L. (1 mk)
___________________________________________________________________________________

(b) Give the name and use of the materials deposited in the part labeled M (1 mk)
___________________________________________________________________________________

(c) What is the component K in the biogas digester? (1 mk)
___________________________________________________________________________________

(d) State two uses of biogas on the farm. (2 mks)
   (i) ____________________________________________________________________________
   (ii) ____________________________________________________________________________

SECTION C (40 MARKS)

Answer any two questions in this section

24. (a) State the advantages of using a disc plough over a mouldboard plough. (8 mks)
   (b) Describe the procedure of constructing a barbed wire fence. (12 mks)

25. (a) Explain the factors that influence the choice of building materials. (10 mks)
   (b) Describe the effects of parasites on livestock. (10 mks)

26. (a) Describe the lifecycle of pork tapeworm (Taenia solium). (10 mks)
   (b) Describe the routine maintenance practices carried out on a tractor. (10 mks)