

Name:Index no

School:Candidate's sign.....

Date:

443/2
AGRICULTURE
PAPER 2
JULY/AUGUST 2026
TIME: 2 HOURS

Kenya Certificate of Secondary Education (K.C.S.E.)

INSTRUCTIONS TO CANDIDATES:

- Write your **name**, **index number** and the **name of your school** in the spaces provided.
- Sign and write the date of the examination in the spaces provided.
- This paper consists of **three** sections; **A**, **B** and **C**.
- Answer **all** questions in section **A** and **B**.
- Answer any **two** questions in section **C** in the spaces provided.

For Examiner's Use Only

SECTION	QUESTION	MAXIMUM SCORE	CANDIDATE'S SCORE
A	1 – 15	30	
B	16 -19	20	
C		20	
		20	
	TOTAL SCORE	90	

This paper consists of 9 printed pages. Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

SECTION A(30mks)

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

1. Study the table below and fill in the missing words. (3 marks)

Description	Cattle	Pigs	Poultry
Young from birth/ hatching to weaning			Chick
Young female before first parturition / laying		Gilt	
Mature male for breeding	Bull		

2. Give **two** causes of scouring in calves. (1 mark)

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3. Name one intermediate host for each of the following livestock parasites.

a) Liverfluke (*Fasciola spp*) (½ mark)

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b) Tapeworm (*Taenia spp*) (½ mark)

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4. Why is raddling essential in sheep management ? (1 mark)

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5. State **four** limitations of using hydroelectric power on the farm. (2 marks)

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6. Differentiate between the following tools.

a) Bastard file and rasp file. (1 mark)

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b) Copying saw and hack saw (1 mark)

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7. State **four** ways of restraining cattle during routine management. (2 marks)

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8.a) Name **four** breeds of dairy goats. (2 marks)

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b) Mention **two** distinguishing characteristics of the bactrian camel breed. (1 mark)

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9.a) Give **four** symptoms of milk fever. (2 marks)

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b) State **two** methods of controlling milk fever. (1 mark)

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10. Name **four** systems of a tractor engine. (2 marks)

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11.a) Give **two** reasons for using litter in a poultry house. (1 mark)

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..... b) Name **two** diseases of poultry that are controlled by vaccination. (1 mark)

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12. List **three** types of calf pens. (1 ½ mks)

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13. Give **four** reasons for feeding a calf on colostrum. (2 marks)

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14 .Name **five** qualities of eggs for incubation.

(2 $\frac{1}{2}$ marks)

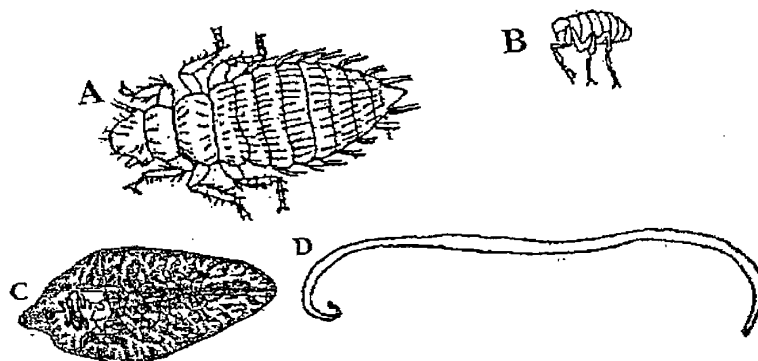
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15. A deep litter poultry house measures 9m x 3m. Suppose the amount of space allowed for one bird is 0.27m², calculate the number of birds that can be kept comfortably in this house. Show your working.

(2 marks)

SECTION B(20mks)
Answer ALL questions in the spaces provided.

16. a) Identify each of the livestock parasites shown below.

(2 marks)



A.....

B.....

C.....

D.....

b) State the category of parasites **A** and **C**. (1 mark)

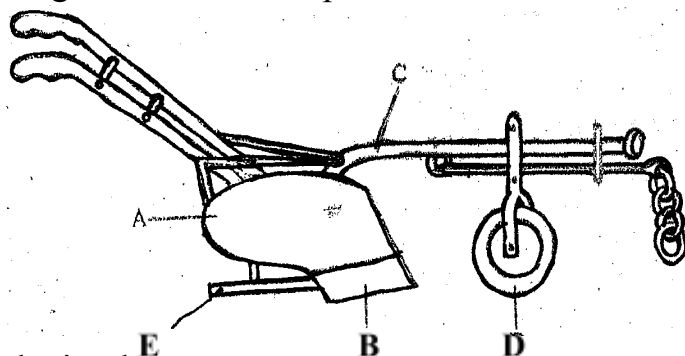
A.....
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C.....
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c) Suggest an effective control measure of the parasite labeled **C**. (1 mark)

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17. Below is a diagram of a farm implement



(a) Identify the implement (½ mark)

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(b) Name the parts labeled **A,B,C,D** and **E** (2 ½ marks)

A.....

B.....

C.....

D.....

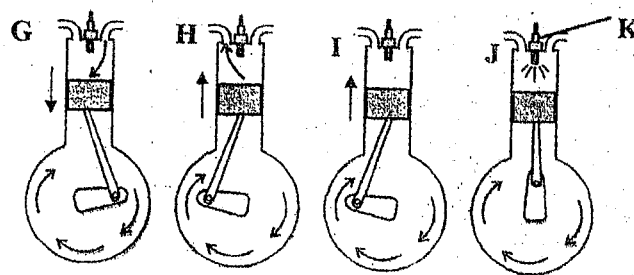
E

(c) State the functions of the parts labeled **C** and **E**

(2marks)

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18. The diagrams below illustrate the strokes a **four** stroke cycle engine. Study them and answer the questions that follow.



(a) Name the strokes represented by diagrams **G,H,I** and **J**. (2marks)

G.....

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H.....

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I.....

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J.....

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(b) Mention **two** disadvantages of a four stroke cycle engine

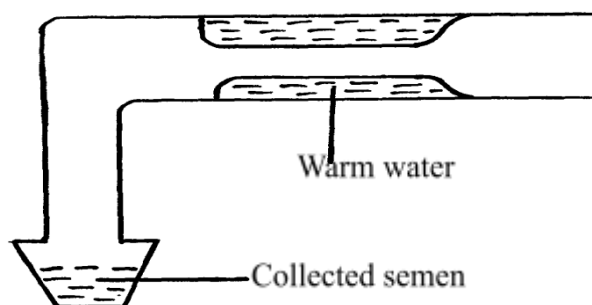
(2marks)

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(c) What is the function of part **K**
(1mark)

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19.The diagram below shows a livestock production equipment .study it and answer the questions that follow.



(a) Identify the equipment
(1mark)

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b) What is the importance of warm water in the equipment. (1mk)

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(b) Describe the procedure followed when using the equipment in collecting semen.

(4mks)

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SECTION C(40mks)

Answer ONLY TWO questions from this section

20.(a) Discuss Brucellosis under the following sub topics

(i) Casual organism in cattle.

(1mk)

(ii) Symptoms

(4mks)

(iii) Control

(5mks)

(b) Explain the importance of keeping livestock healthy

(10mks)

21. (a) Explain **ten** factors considered when selecting livestock for breeding:

(10mks)

(b) Describe **ten** management practices carried out on cattle during parturition.

(10mks)

22.a)Describe the procedure of constructing a barbed wire fence. (10mks)

(b) Outline the advantages of the battery cage system in poultry rearing.

(10mks)

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