

Name Index Number /

443/2
 AGRICULTURE
 Paper 2
 (THEORY)
 Oct./Nov. 2014
 2 hours

Candidate's Signature

Date



THE KENYA NATIONAL EXAMINATIONS COUNCIL
 Kenya Certificate of Secondary Education
 AGRICULTURE
 Paper 2
 (THEORY)
 2 hours

Instructions to candidates

- Write your name and index number in the spaces provided at the top of this page.
- Sign and write the date of the examination in the spaces provided above.
- This paper consists of **three** sections: **A, B and C.**
- Answer **all** the questions in sections **A and B.**
- Answer **any two** questions in section **C.**
- All answers should be written in the spaces provided on the question paper.
- This paper consists of 16 printed pages.**
- Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**
- Candidates should answer the questions in English.**

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
A	1 – 14	30	
B	15 – 18	20	
C		20	
		20	
Total Score		90	



SECTION A (30 marks)

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

1 Name the **two** products obtained from dual purpose sheep. (1 mark)

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2 Give **two** practices that should be done to a newly born calf with difficult breathing. (1 mark)

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3 (a) What is meant by the term two host tick? (1 mark)

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(b) Give **two** examples of two host ticks in cattle. (1 mark)

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4 State **four** disadvantages of using plunge dips in tick control. (2 marks)

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5 (a) State the functions of the following farm tools and equipment:

(i) pipe cutter; (1/2 mark)

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(ii) wire strainer. (1/2 mark)

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(b) Name **four** tools that can be used to assemble a jembe. (2 marks)

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(c) Name the complementary tool for each of the tools named below:

(i) trochar; (1/2 mark)

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(ii) hand drill. (1/2 mark)

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6 Name **two** livestock diseases controlled through embryo transplant. (1 mark)

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7 State **three** factors that limit external parasite control in Kenya. (1 1/2 marks)

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

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9 Name **four** categories of poultry feeds according to the stages of growth of birds. (2 marks)

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.....

10 State **four** ways in which a vaccine can be administered to livestock. (2 marks)

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11 (a) Name **three** protozoan diseases of cattle. (1½ marks)

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(b) State **four** symptoms of rinderpest in cattle. (2 marks)

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12 State **four** maintenance practices carried out on a spray race. (2 marks)

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13 (a) Give **four** reasons for proper feeding in livestock rearing. (2 marks)

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(b) State **four** good hygiene practices in livestock feeding. (2 marks)

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14 State **four** reasons why kids should be weighed immediately after birth. (2 marks)

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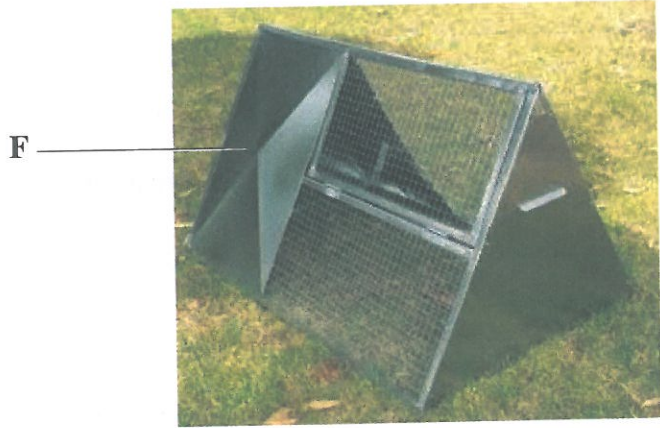
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SECTION B (20 marks)

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

15 The picture below shows a poultry farm structure.



(a) Identify the farm structure. (1 mark)

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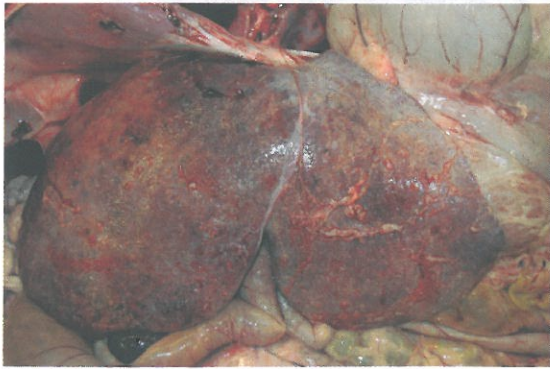
(b) Apart from metal, name **two** materials that can be used for the part labelled **F**. (2 marks)

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.....

(c) State **three** disadvantages of using the farm structure illustrated above in poultry rearing. (3 marks)

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16 The picture below illustrates a livestock organ infested by a parasite labelled E.



E

(a) Name the disease the livestock is suffering from. (1 mark)

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(b) Identify the parasite labelled E. (1 mark)

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(c) State **two** control measures for the parasite. (2 marks)

.....

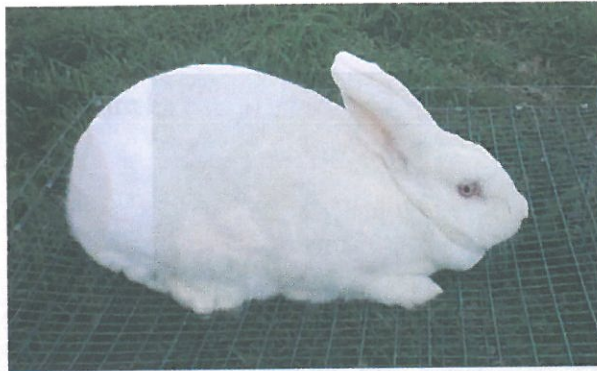
.....

(d) State **two** signs of infestation shown in the picture above. (2 marks)

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17 The pictures below illustrate two rabbit breeds.



A



B

(a) Name the rabbit breeds shown above.

A (1 mark)

B (1 mark)

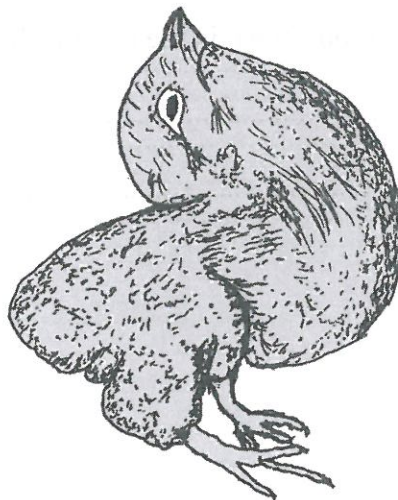
(b) Name the major feeding practice missing from the photograph labelled B. (1 mark)

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(c) Give **one** advantage of housing the rabbits on the floor illustrated above. (1 mark)

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18 The following is an illustration of a chick suffering from malnutrition.



- (a) Identify the mineral deficiency shown by the chick. (1 mark)
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- (b) Apart from the symptom illustrated above, give **three** other symptoms of mineral deficiency in poultry. (3 marks)
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SECTION C (40 marks)

Answer any two questions from this section in the spaces provided after question 21.

- 19** (a) Describe upgrading as a method of improving indigenous cattle for milk production. (8 marks)
- (b) Describe the causes of low egg production in layers. (12 marks)
- 20** (a) Describe how the late weaning programme is conducted in a dairy calf. (12 marks)
- (b) Describe how a newly constructed pond is prepared and stocked with fingerlings. (8 marks)
- 21** (a) (i) Describe short-term tractor servicing. (10 marks)
- (ii) Explain the maintenance practices that should be carried out on an ox-cart. (5 marks)
- (b) State **five** indicators that can be observed on a goat to confirm sickness. (5 marks)

