

NAME:..... INDEX NO:.....
 SCHOOL SIGNATURE
 DATE

443/2
 AGRICULTURE
 PAPER 2
 July / Aug 2015
 2 Hours

NAROK SOUTH SUB-COUNTY SECONDARY SCHOOL JOINT EXAMINATION
Kenya Certificate of Secondary Education (K.C.S.E)
AGRICULTURE
PAPER 2

INSTRUCTIONS

Write your name and index number in the spaces provided above
 This paper consists of three sections A, B and C.
 Answer All the questions in section A and B and any two questions in section C.

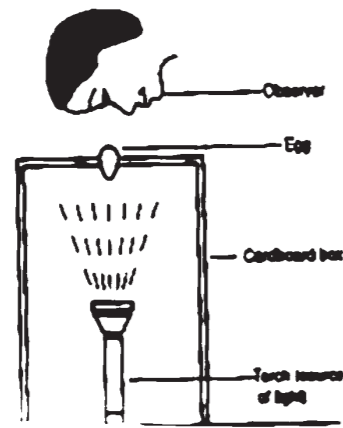
FOR EXAMINER'S ONLY

Section	Question	Maximum	Candidates Score
A	1 - 17	30	
B	18 - 21	20	
C		20	
		20	
		90	

This paper consists of 8 printed pages.
 Candidates should ensure that all pages are printed as indicated and no questions are missing.

- b) Name the method of attachment of the above implement to a tractor (1 mark)
-
- c) State one use of the implement drawn above (1 mark)
-
- d) State two maintenance practices on the implement (2 marks)
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21. Below is an illustration done in the farm to carry out a certain practice



- a) identify the farm practice illustrated above. (1 mark)
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- b) State four abnormalities in the egg that can be detected using the set up above (4 marks)
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SECTION C (40 MARKS)
Answer any TWO questions in this section.

- 22. a) Outline maintenance practices done on a forage harvester (5 marks)
- b) State factors consider when selecting tools and equipments for tillage (5 marks)
- c) Discuss management of an incubator in artificial incubation (10 marks)
- 23. a) Explain factors that determine the amount of milk a dairy cow would produce (5 marks)
- b) Explain causes of swarming in bees (6 marks)
- c) Explain the factors to consider in siting farm structures (9 marks)

- 8. State three ways that can used to improve the production of milk in indigenous cattle (1 ½ marks)
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-
- 9. State the functional difference between a cross cut saw and a rip saw (2 marks)
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-
- 10. Name two larval stages in the life cycle of the liver fluke (1 mark)
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-
- 11. What is concrete? (1 mark)
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-
- 12. State two functions of a clutch in a tractor transmission system (1 mark)
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- 13. Give three reasons for feeding bees (1½marks)
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-
-
- 14. Name four materials used in construction of a modern granary (2 marks)
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-
-
-
- 15. State four uses of additives in an animal feed (2 marks)
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-
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16. a) State four causes of piglet mortality (2 marks)

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b) A sow gained 100kg live weight after eating 300kg of sow and weaner meal. Calculate the feed conversion ratio (2 marks)

17. State three management practices carried out in a pond to ensure maximum yield (1½ marks)

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SECTION B 20 MARKS)

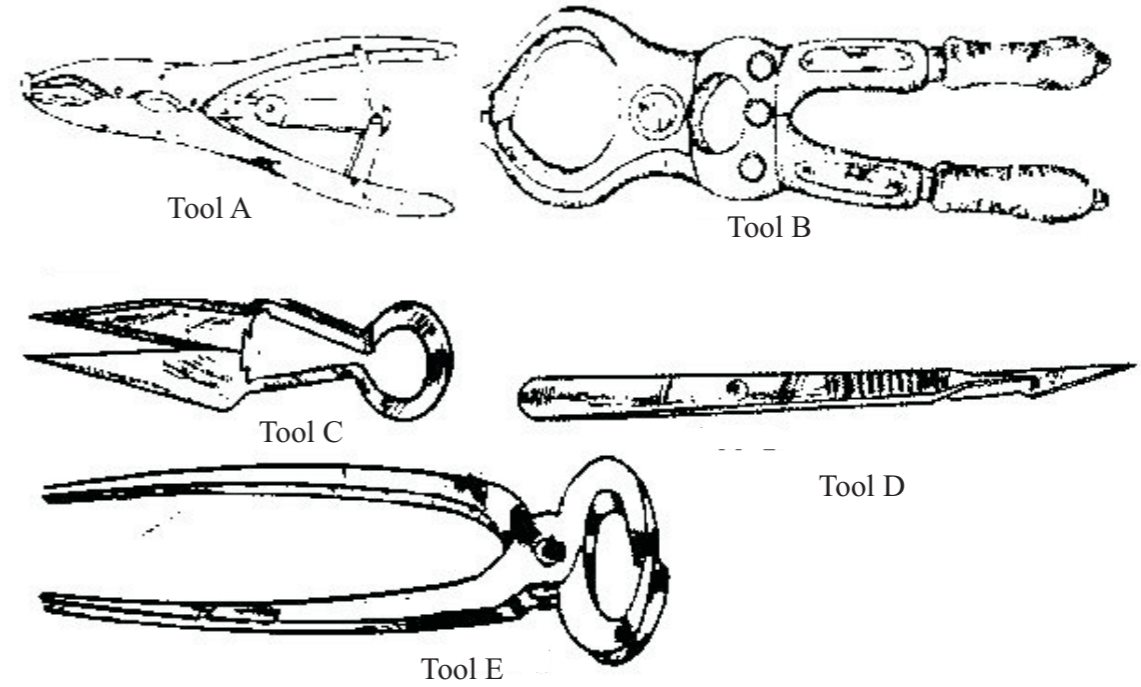
Answer all questions in the spaces provided

18. a) What is rationing (1 mark)

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b) A dairy farmer wants to prepare a dairy ration containing 18% DCP. The farmer has two feedstuffs namely, rice husks with 6%DCP and cotton seed cake with 35% DCP, using Pearson square method, calculate the amount of each feedstuff required to prepare a 300kg dairy ration. Show your working (4 marks)

19. The diagram below are illustrations of farm tools and equipments



a) Identify tools labelled C and E (2 marks)

C

E

b) Name a practice carried out on farm animals using tools labelled B and D (2 marks)

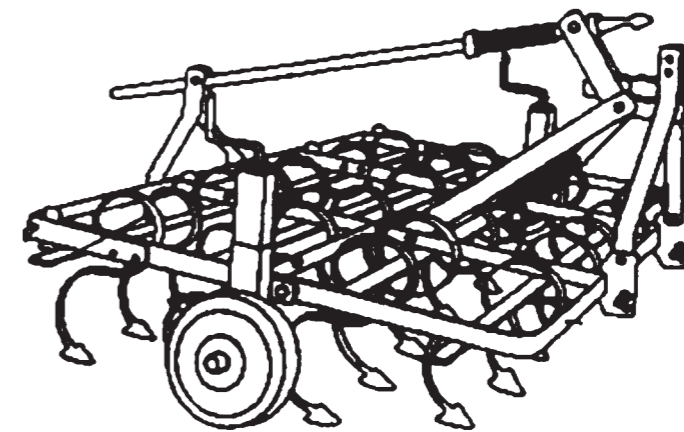
B

D

c) Name a complimentary tool / equipment of tool labelled A (1 mark)

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20. Below is an illustration of farm equipment



a) Identify the farm equipment (1 mark)

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