

NAME:

INDEX NO:

SCHOOL:

DATE :

CANDIDATE'S SIGNATURE:

443/2

AGRICULTURE

PAPER 2

JULY / AUGUST 2013

TIME: 2 HRS.

NANDI SOUTH, NANDI EAST AND TINDIRET DISTRICTS JOINT EVALUATION TEST 2013

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

AGRICULTURE

PAPER 2

TIME: 2 HRS.

INSTRUCTIONS TO CANDIDATES:

- (i) Write your name and Index number in the spaces provided above.
- (ii) Sign and write the date of examination in the spaces provided above.
- (iii) This paper consists of THREE sections A, B and C.
- (iv) Answer ALL questions in Section A and B.
- (v) Answer any TWO questions in section C.
- (vi) Answers should be written in spaces provided.
- (vii) This paper consists of 8 printed pages.
- (viii) Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing.

FOR EXAMINER'S USE ONLY

SECTION	QUESTION	MAX. SCORE	CANDIDATE SCORE
A	1 – 17	30	
B	18 – 21	20	
C		20	
		20	
	Total Score	90	

SECTION A (30 MARKS)

Answer ALL Questions in the Spaces Provided

1. State the functions of the following tools:
 - (a) Splicing tool (1½mk)
.....
 - (b) Wire strainer (1½mk)
.....
2. Name a breed of Rabbit which give high quality fur. (1mk)
.....
3. State **four** maintenance practices carried on a wheelbarrow. (2mks)
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.....
.....
4. Give **three** light breeds of poultry. (1½mks)
.....
.....
.....
5. State **four** predisposing factors of animal diseases. (2mks)
.....
.....
.....
6. Outline **four** harmful effects of lice in livestock production (2mks)
.....
.....
.....
7. Give **two** examples of three host ticks that attack livestock. (1mk)
.....
.....
8. Distinguish between digestible crude protein (DCP) and total digestible nutrients (DN) as used in livestock nutrition. (2mks)
.....
.....
.....

9. State **four** reasons why a breeding boar may be culled. (2mks)

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10. Outline **four** drenching drugs commonly found on the Kenyan market that are used for de-worming in livestock production. (2mks)

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.....

11. State **four** maintenance practices carried out on a fish pond. (2mks)

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.....

12. Name the cause organism of the following livestock diseases.

(a) Contagious abortion. (½mk)

.....

(b) East Coast fever (½mk)

.....

13. Give **three** examples of notifiable disease in livestock health. (1½mks)

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14. Outline **four** factors considered when sorting and grading eggs for market. (2mks)

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15. State **four** reasons for feeding colostrums to calves immediately after parturition. (2mks)

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16. Give **four** requirements of calf pen in livestock production. (2mks)

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17. (a) What is the power take off shaft (P.T.O.) in a tractor? (1mk)

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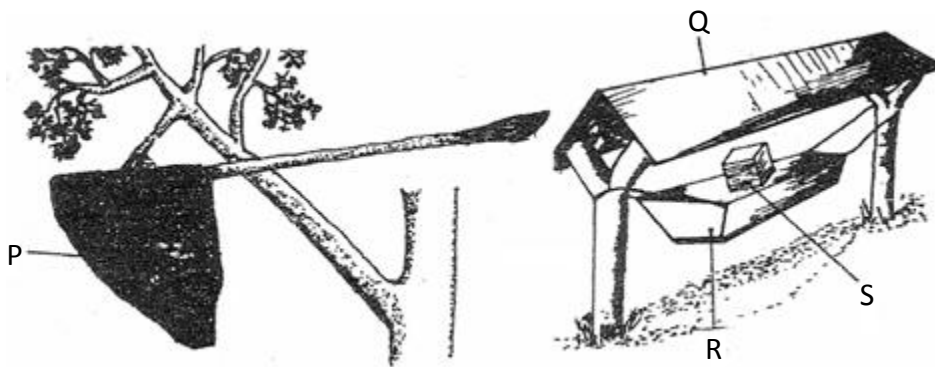
(b) State **four** implements attached to power take off shaft (P.T.O) in a tractor. (2mks)

.....
.....

SECTION B :(20MARKS)

Answer all questions from this section.

18. Below is an illustration of a bee keeping structure.



(a) Name the parts labeled P, Q, R and S. (2mks)

P:

Q:

R:

S:

(b) Give **two** methods used in stocking hives. (2mks)

.....
.....

(c) Name **four** materials used for feeding bees. (2mks)

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19. Study the diagram of the tick below and answer the questions that follow.



(a) (i) Identify the tick. (1mk)

.....

(ii) Name one cattle disease transmitted by the above species of tick. (1mk)

.....

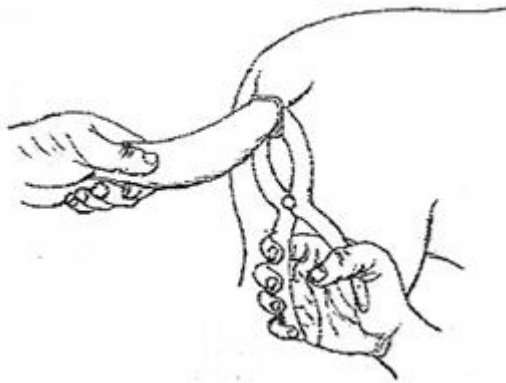
(b) Name three mechanical methods of controlling ticks. (3mks)

.....

.....

.....

20. The diagram below shows a rearing practice in livestock production.



(a) Name the method of routine practice shown in the diagram above. (1mk)

.....

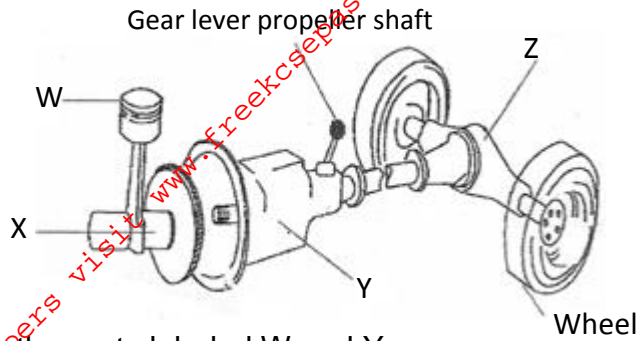
(b) Describe the procedure used to carry out the routine practice identified in (a) above. (3mks)

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.....

.....

21. The diagram below shows part of the power transmission system of a tractor. Study it carefully and answer the questions below.



(a) Name the parts labeled W and Y. (1mk)

W:

Y:

(b) State the functions of the parts X and Z (2mks)

X:

Z:

(c) Name **two** ways in which the power is transmitted from the engine. (2mks)

.....

SECTION C (40MKS)

Answer any two questions in this section

22. (a) Describe **four** physical characteristics of a dairy cattle. (4mks)

(b) Describe milk fever (parturient paresis) under the following sub-heading:

(i) Causes (1mk)

(ii) Symptoms (3mks)

(iii) Control measures (2mks)

(c) State **five** control measures of Roundworms (Ascaris lumbricoides) in livestock. (5mks)

(d) State five signs of parturation in a cow. (5mks)

23. (a) Describe the rearing of lambs from lambing up to weaning time. (10mks)

(b) Explain **five** causes of livestock diseases. (5mks)

(c) State **five** differences between Ruminants and non Ruminants. (5mks)

24. (a) Describe **five** factors affecting milk composition in livestock production. (10mks)

(b) Describe **five** maintenance practices carried out on tractor drawn disc plough. (5mks)

(c) State **five** characteristics used to cull out poor layers from the flock in poultry production. (5mks)

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