

Name: Index No:

Candidate's Signature:

Date:

443/2
AGRICULTURE
PAPER 2
JULY/AUGUST 2014
TIME: 2 HOURS

NYAMIRA SUB-COUNTY JOINT EVALUATION EXAM

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

443/2
Agriculture 2
Paper 2
2 hours

INSTRUCTIONS TO CANDIDATES:

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

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-19	30	
B	20-23	20	
C	24	20	
	25-26	20	
TOTAL		90	

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

SECTION A (30MARKS)

Answer all the questions in this section in the spaces provided

1. What is a notifiable disease (½ mk)
.....
.....
2. List **four** routes through which disease causing organism enter the animals body (2mks)
.....
.....
.....
3. Outline **two** ways through which proper feeding contributes to disease control (1mk)
.....
4. State **four** characteristics of an effective acaricide (2mks)
.....
.....
.....
5. Give the adaptive features of gizzard which enables it to digest easily (1 ½ mks)
.....
.....
.....
6. State **two** reasons which make teeth clipping an important management practice in pig production (1mk)
.....
.....
7. (a) List **three** types of lubrication systems in a tractor (1 ½ mks)
.....
.....
.....
- (b) Give **four** functions of lubrication system (2mks)
.....
.....
.....
8. State **three** pre-desposing factors to coccidiosis disease in livestock farms (1 ½ mks)
.....
.....

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9. Indicate the functions of each of the following parts of cooling system of an engine (½ mk)
- Temperature gauge
-
- Water jackets (½ mk)
-
- Radiator (½ mk)
-
10. State **three** qualities of a good livestock ration (1 ½ mks)
-
-
-
11. Give **four** characteristics which qualify milk as being clean (2mks)
-
-
-
-
12. State the reasons why drenching alone is not an effective method of internal parasite control (1 ½ mks)
-
-
-
-
13. Give **three** reasons why raddling is an important practice in sheep management (1 ½ mks)
-
-
-
-
14. State the signs a poultry farmer would observe to detect mite attack in his flock (2mks)
-
-
-
-
15. Give **four** alternative ways a farmer may use during routine management to restrain his cattle (2mks)
-
-
-
-
16. State **one** reason why walking area section of a zerograzing unit should not be roofed (½ mk)
-

17. Give **three** functions of the vulva in Does (1 ½ mk)

.....
.....
.....

18. Name **two** dairy products prepared from milk cream (1mk)

.....
.....

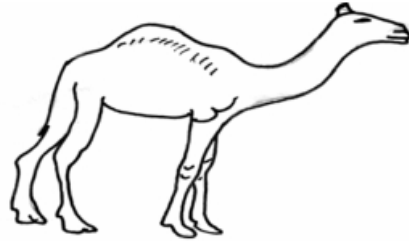
19. Give **four** functions of egg shell (2mks)

.....
.....
.....
.....

SECTION B (20 MARKS)

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

20. Study the illustration of a camel below and answer the questions that follow



(a) Name the environmental condition under which the camel above survives better (½ mk)

.....

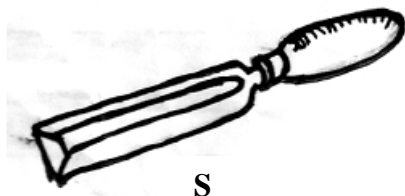
(b) Give **four** reasons which make it possible for the livestock to survive in such environment(2mks)

.....
.....
.....
.....

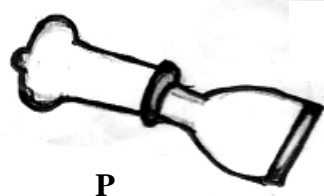
(c) Other than the species, name one camel species kept by farmers (½ mk)

.....

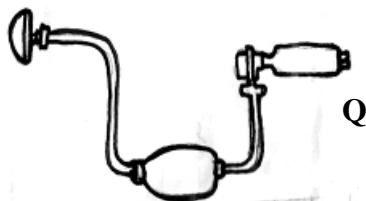
21. Study the farm tools illustrated below and answer the questions that follow



S



P



Q



R

(a) Identify the farm tools labeled S,P,Q and R (2mks)

S

P

Q

R

(b) State the use of each of the tools labeled S and P (1mk)

S.....

P.....

(c) Give **two** safety precaution that should be taken when using the pair of tools Q and R above (1mk)

.....

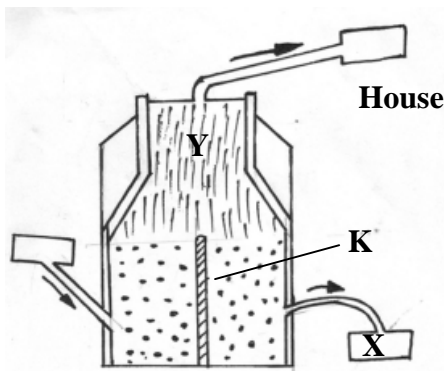
.....

(d) State **two** maintenance practices which should be carried out on the tool Q (1mk)

.....

.....

22. Study the biogas digester plant illustrated below and answer the questions that follow



(a) Give the name and use of the material in the part marked X (1mk)

Names:.....

Use:.....

(b) State the major function of part marked K above (1mk)

.....

.....

(c) Give the major component in the place marked Y on the diagram (½ mk)

.....

.....

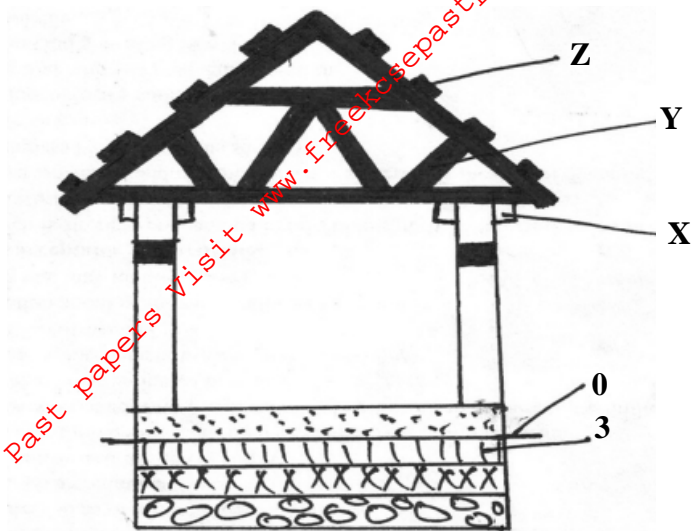
(d) Outline the disadvantages of using the power source in the set up above (1 ½ mk)

.....

.....

.....

23. Study the farm structure below and answer the questions that follow



(a) Name the parts marked Z, Y and X on the structure (1 ½ mks)

- Z
- Y
- X

(b) Give the ratio of the materials for making labeled 3 above (1mk)

.....

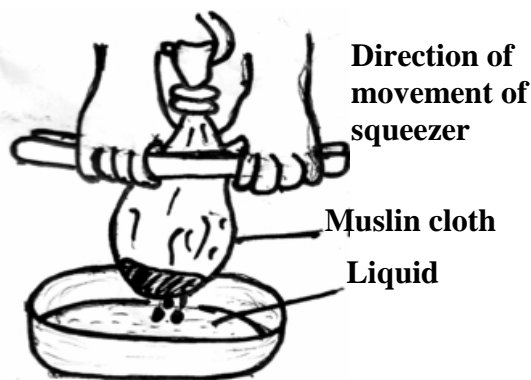
(c) State two functions of material placed in part marked O above (1mk)

.....

(d) Name **one** example of the tools that can be used on the part labeled Y above (½ mk)

.....

24. Study the method of livestock production preparation below and answer the questions that follow



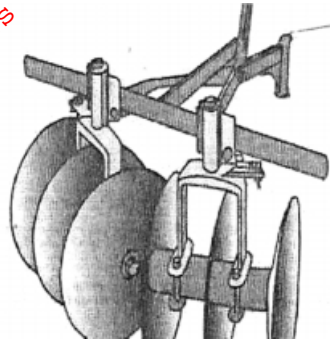
(a) Identify the method of extraction illustrated (½ mk)

.....

(b) Name **two** alternative methods of obtaining the product other than the one illustrated above (1mk)

.....
.....
(c) Give **two** factors that determine the quality of the product (1mk)

25. Study the illustrated implement and answer the questions that follow



(a) Identify the implement above (½ mk)

(b) Give **two** uses of the implement above (1mk)

(c) Name one farm implement drawn by a tractor and does both primary and secondary tillage during the same operation time (½ mk)

SECTION C

Answer any two questions in this section in the spaces provided

26. (a) Describe the management of pigs during farrowing period (10mks)
(b) Discuss parasite effects on livestock production (5mks)
(c) Outline the physical methods of controlling ticks (5mks)
27. (a) Describe the routine management practices carried out on a tractor (5mks)
(b) Outline **five** factors considered when buying farm tools equipment to use (5mks)
(c) Describe the procedure of establishing a timber post barbed wire fence (10mks)
28. (a) Outline the importance of keeping livestock (5mks)
(b) Discuss the importance of rearing layers under battery cage system (7mks)
(c) Describe the life cycle of liverfluke (3mks)

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