

NAME..... INDEX NO.....

SCHOOL..... CANDIDATE'S SIGNATURE.....

DATE.....

443/2
AGRICULTURE
PAPER 2
JULY/AUGUST 2013
TIME: 2 HOURS

KIRINYAGA CENTRAL DISTRICT JOINT EXAMINATION - 2013

Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 2
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- Write your name and index number in the spaces provided above.
- Sign and write the date of examination in the spaces provided above.
- This paper consists of **THREE** Sections **A**, **B** and **C**.
- Answer all questions in Section **A** and **B**.
- Answer two questions in Section **C** in the spaces provided.

FOR EXAMINER'S USE ONLY

Section	Question	Maximum Score	Candidate's Score
A	1 - 18	30	
B	19 - 21	20	
C	22 - 24	20	
		20	
Total Score		90	

1. Give **two** notifiable diseases in cattle. (1mk)

2. List **four** characteristics of a non-layer in poultry. (2mks)

3. Differentiate between an Essex saddle back and Wessex saddle back. (1mk)

4. Give **two** functions of reticulum in the process of food digestion. (1mk)

5. State the function of a carburetor in fuel system. (1mk)

6. List **five** symptoms attack of livestock by roundworms (Ascaris). (2½mks)

7. Name the structure that is used to ensure that honeycomb and brood combs are found in different chambers in the hive. (1mk)

8. Differentiate between in breeding and out breeding. (1mk)

9. Give **three** methods of harnessing tractor power. (1½mks)

10. Distinguish the functional difference between across cut saw and a rip saw. (1mk)

11. Give **three** reasons why ewes disown lambs. (1½mks)

12. Give four factors to consider when selecting goats for breeding. (2mks)

13. State **four** conditions that can make a cow to withhold milk during milking. (2mks)

14. List **six** management practices carried out on fish pond for optimum fish production. (3mks)

15. Give **five** predisposing factors of mastitis disease in cattle. (2½mks)

16. Give the function of the following parts of a reciprocating mower. (2mks)

(a) Pitman _____

(b) Shoe _____

(c) Swath board _____

(d) Cutter bar _____

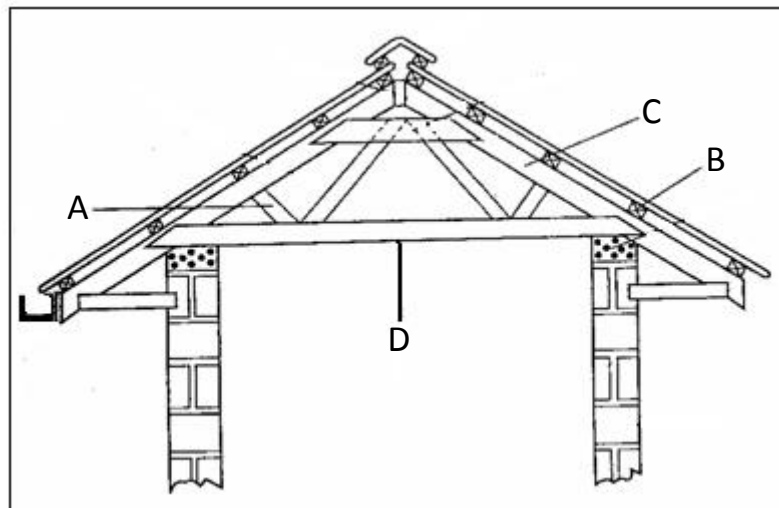
17. A dairy cow under zero grazing system weighs 700kg. Calculate how much of dry matter it takes given that it take 2.5kg for every 100kg live weight. (2mks)

18. List **four** factors that influence the quality of honey. (2mks)

SECTION B: (20 MARKS)

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

19. (a) The diagram **below** represents roof of a building.



- (i) Identify the parts labeled **A, B, C**. (3mks)

A _____

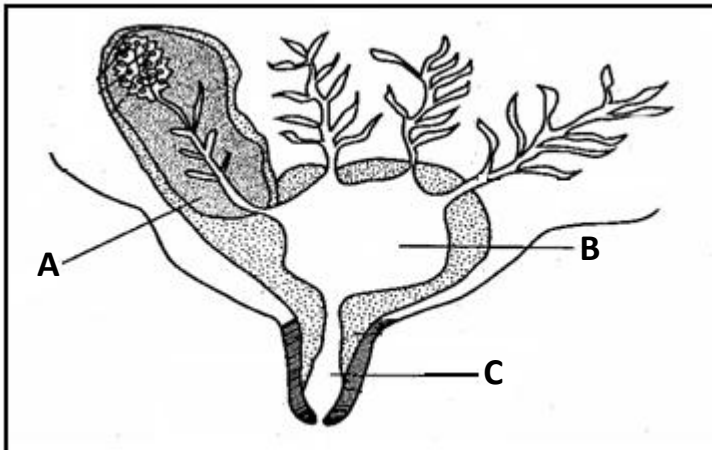
B _____

C _____

(ii) Give **four** factors considered when siting farm buildings and structures. (2mks)

(b) Explain **four** factors which would be considered in choosing materials for construction of farm building and structures. (2mks)

20. **Below** is the longitudinal section of a cow's udder.



(a) Identify the parts labeled **A, B, C**. (3mks)

A _____

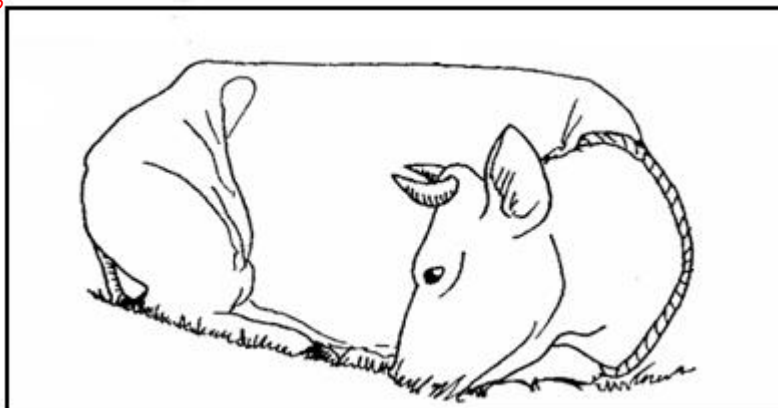
B _____

C _____

(b) Give **four** pre-requisites of clean milk production. (2mks)

(c) Describe the procedure of castration of a bull using a burdizzor. (2mks)

21. **Below** is a diagram of cow suffering from a deficient disease. Study it and answer the questions **below**.



(a) Identify the disease above animals is suffering from. (1mk)

(b) What stage or state of the body condition encourages the disease above? (1mk)

(c) List **two** symptoms of the above disease. (2mks)

(d) Give **two** control measures of the above identified disease. (2mks)

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