

443/2
AGRICULTURE
JULY/AUGUST 2010
PAPER 2
2 HOURS

FORM FOUR MID-YEAR CONTINUOUS ASSESSMENT TEST
Kenya Certificate of Secondary Education
AGRICULTURE
PAPER 2
2 HOURS

INSTRUCTION TO CANDIDATES

- a) Write your name and index/ Admission number in the spaces provided above
- b) This paper consists of three sections A B and C
- c) Answer ALL the questions in section A and B in the spaces provided.
- d) Answer any Two questions in section C

For Examiner's use only

Section	Questions	Maximum score	Candidate's score
A	1-20	30	
B	21-24	20	
C		20	
		20	
		90	

This paper consists of 9 printed pages

Please Turn Over

SECTION A 30 MARKS

Answer all question in the spaces provided

1. Name a tool used for tightening barbed wires fencing (½ mk)

2. Mention two predisposing factors of foot rot disease in sheep (1mk)

3. State four advantages of hedges (2mks)

4. (a) Define the term “Zoonotic disease” (1mk)

(b) Give two examples of Zoonotic diseases (1mk)

5. Name the three methods of livestock selection (1 ½ mks)

6. State one use of each of the following farm tools

(i) Stock and die (1mk)

(ii) Garden trowel

(1mk)

7. State one cause of grass taggers disease in cattle

(1 mk)

8. State two causes of soft shell in eggs

(1mk)

9. List three mechanical methods of controlling ticks in livestock

(1 ½ mks)

10. State three maintenance practices of a trailer

(1 ½ mks)

11. (a) name three implements operated by the hydraulic system of the tractor

(1 ½ mk)

(b) Outline four general uses of a solar energy

(2mks)

12. What is a “notifiable diseases” in livestock production (1mk)

13. Why should Irish potatoes not be fed to non – ruminants (1mks)

14. State four good qualities of honey (2mks)

15. State four desirable features of a rabbit hutch (2mks)

16. Give two reasons of spreading a polythene paper on the slab of a farm building (1mk)

17. Why is it necessary to provide grit to birds (1mk)

18. Mention four management practices that would ensure maximum harvesting of fish from a pond. (2mks)

19. Name two dual purpose breeds of cattle

(1mk)

20. State four ways in which vaccines may be administered to animals

(2mks)

SECTION B (20 MARKS)

Answer all questions in the spaces provided

21. (a) Below are diagrams of workshop tools, H, J, and Q. Study them and answer the question which follow.

H J Q A

(i) Identify each tool

(1 ½ mks)

H _____

J _____

Q _____

(ii) What functional advantage does tool H have over tool J

(1 mk)

(b) Why is the part labeled A an important component of the watering can

(1mk)

22. Study the diagram below of a tractor- drawn implement and answer the questions that follow
A C B D

(a) Identify the implement

(1mk)

(b) State one use of the above implement

(1mk)

(c) Name the parts labeled

(2mks)

A _____

B _____

C _____

D _____

(d) Mention two maintenance practices carried out on the implement (2mks)

23. Study the diagram below and answer the questions that follow

E G F

(a) State the operations that are carried out on the parts labeled E, F and G (1 ½ mks)

E _____

F _____

G _____

(b) State three reasons for carrying out the operation identified in E. (1 ½ mk)

(c) At what age should the operation stated in E be carried out (1mk)

(d) State three methods of carrying out the operation named in E (1 ½ mk)

24. Below is an illustration of an internal parasite in livestock

(a) Identify the parasite

(1mk)

(b) Name the final host of the parasite

(1mk)

(c) Name the intermediate host for the parasite above

(1mk)

(d) State two measures used to control the above parasite

(2mks)

SECTION C (40 MARKS)

Answer any two questions from this section

25. (a) List four ways in which power is transmitted from the engine and made available for use in the farm (4mks)
- (b) Explain the maintenance practices that are carried out in ignition system of a tractor (6mks)
- (c) Outline the factors a farmer should consider to ensure fast and efficient cultivation by oxen (10mks)
26. (a) Give the breeding system involved in each of the following cases
- (i) Friesian sire mated with Aryshire dam. (1mk)
- (b) List four disadvantages of Natural mating (4mks)
- (c) (i) List three disadvantages of embryo transplant (3mks)
- (ii) Give two reasons why a breeding boar may be culled (2mks)
- (d) What steps can a farmer take to improve the indigenous livestock breeds in Kenya (10mks)
27. (a) Mention four methods of water harvesting (4mks)
- (b) Describe the different types of micro-catchment used in water conservation (10mks)
- (c) Explain the importance of micro-catchment (6mks)

