

GATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU.
FORM 3 AGRICULTURE. MID TERM EXAMINATION. TERM 2 2016.

NAME: _____ ADM.NO. _____

SCHOOL _____ Candidates sign: _____

Date: _____

443

Agriculture

Midterm

Term 2 2016

Instructions:

- i) Write your name and admission number in the space provided
- ii) Sign and write the date of examination
- iii) The paper consists of three sections A B and C
- iv) Answer all questions in section A and B
- v) Answer the two questions in section C.

For Examiner Use.

Section	Questions	Maximum Score	Candidates Score
A			
B			
C			

SECTION A (30MKS)

1. State four factors considered when identifying a farming system. (2mks)

- i)
- ii)
- iii)
- iv)

2. What is training as used in crop production. (1mk)

3. Name two types of planting materials (1mk)

i)

ii)

4. Give two ways in which soil structure influence crop production. (1mk)

i)

ii)

5. State four importance of raising seedling in a nursery bed. (2mks)

i)

ii)

iii)

iv)

6. State the importance of soil colour in crop production. (1mk)

7. Mention three methods of primary cultivation. (1 ½ mks)

i)

ii)

iii)

8a) What is seed scarification? (1/2 mks)

b) Give three ways of achieving seed scarification (1 ½ mks)

i)

ii)

iii)

9. List three ways through which water is collected and stored in most farms. (1 ½ mks)

i)

ii)

iii)

10. What is government policy as used in agriculture production? (1/2 mks)

11. Give three ways in which government regulates production and sale of agricultural goods.

(1 ½ mks)

i)

ii)

iii)

12. Differentiate between the following terms

a) A farm tool and equipment (1mk)

b) Farrowing and kindling

(1mk

13. Give four characteristics of dromedary camel that enable them to survive in arid and semi arid areas. (2mks

i)

ii)

iii)

iv)

14. The small intestines in livestock are divided into three sections. Name the three sections. (1 ½ mks

i)

ii)

iii)

15. State four factors that determine maintenance requirements in livestock. (2mks

i)

ii)

iii)

iv)

16. Give two functions of fallopian tubes in cattle production. (1mk

i)

ii)

17. Name three ways of serving cattle (1 ½ mks

i)

ii)

iii)

18. State three qualities of colostrum that make it suitable for newly born calve. (1 ½ mks

19. Name the two stomach chambers of a ruminant animal. (2mks)

i)

ii)

iii)

iv)

20. Name three parts of a zero grazing unit. (1 ½ mks)

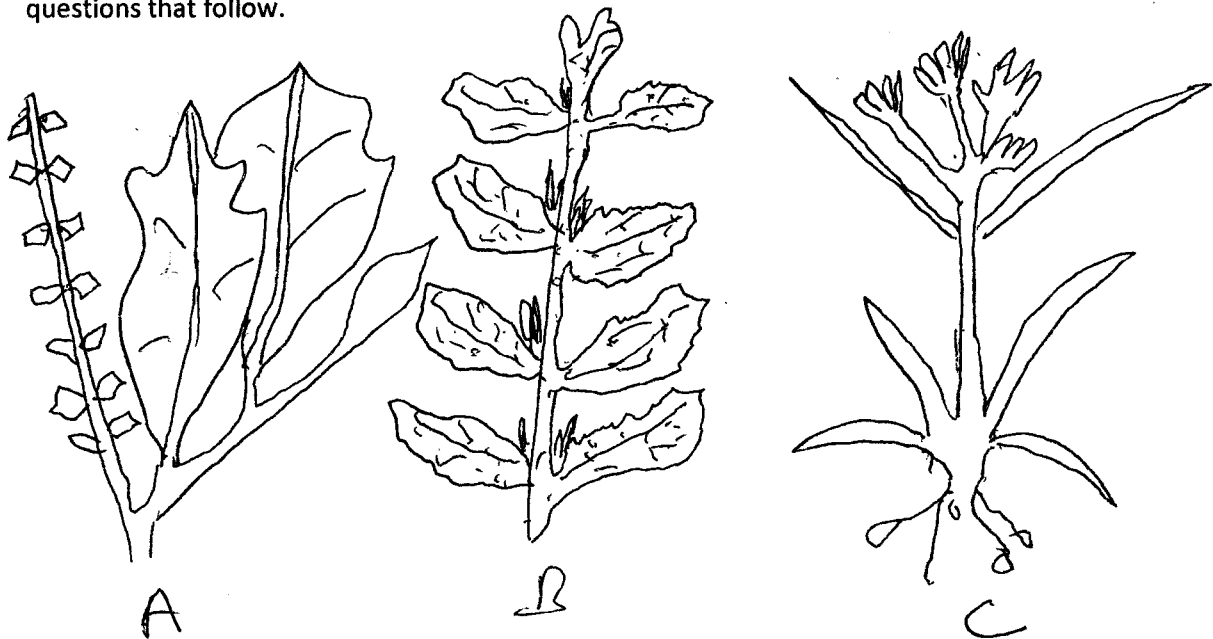
i)

ii)

iii)

SECTION B (20MARKS)

21. Below are photographs of some common weeds. Study them carefully and answer the questions that follow.



a) Identify the weeds in the photograph A B C (3mks)

A

B

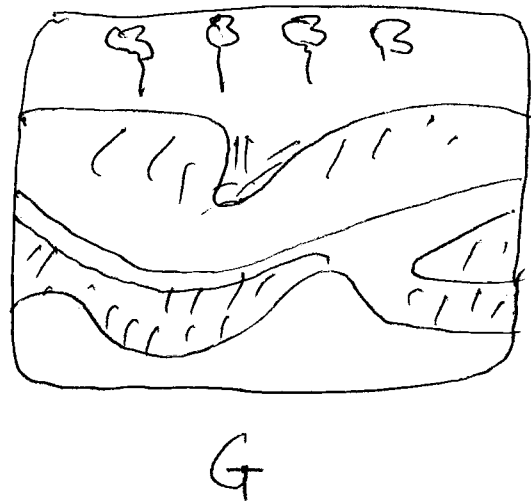
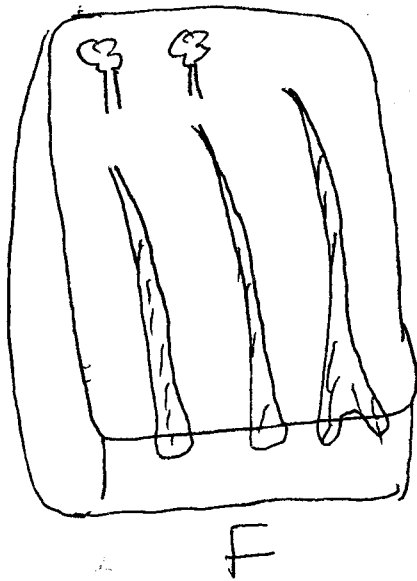
C

b) From the diagram identify a weed that lowers quality of pastures. ((1mk

c) Give one common effect of weeds A and B on the farm. (1mk)

d) Classify weed C based on plant morphology. (1mk)

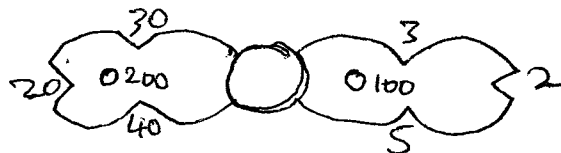
22. You are provided with illustrations F and G which represent different types of erosion. Study them and answer the questions that follow.



a) Identify the type of erosion illustrated by F and G (2mks)

ii)

23. The illustration below shows a method of identifying pigs. Study the diagram and answer the questions that follow.

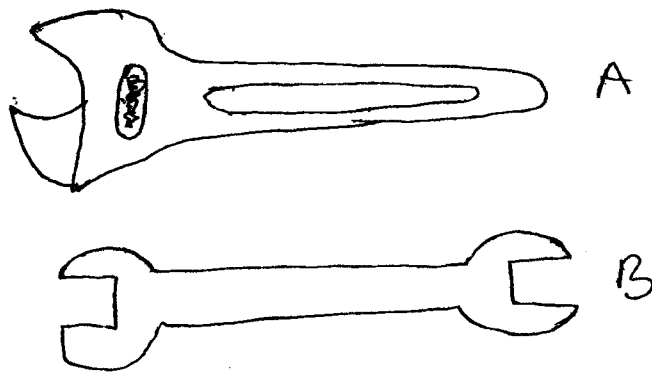


a)i) On the diagram below draw the mark to indicate pig number 147 using the procedure of the ear notching in the diagram. (1mk)

ii) What is the recommended stage of growth of pigs at which the ear notching should be carried out. (1mk)

b) A farmer wants to produce a ^{Poultry} ~~swine~~ feed containing 16% cp (crude protein) from maize meal with 9% cp and cotton seed cake with 30% cp. Using Pearson's square method calculate the amount of maize and cotton Seed Cake required to produce 100kg of the feed. (3mks)

24. The diagram below shows examples of workshop tools and equipment.



- a) Identify the tools A and B. (2mks)
- A
- B
- b) State one advantage of tool A over tool B. (1mk)
- c) State two maintenance practices carried out on the above tools. (2mks)
- i)
- ii)

SECTION C (40 MARKS)

25. Describe the procedure of collecting semen from a proven sire. (5mks)

b) Give the effects of land fragmentation

(6mks

c) Explain various cultural methods of weed control.

(6mks

XX.

b) Give seven management practices carried out in a crush.

(7mks)

c) Explain four methods of controlling livestock diseases on the farm.

(8mks)

26a) Describe the management practices carried out on a tree nursery bed.

(8mks)