

FORM 4 TERM 1 OPENER

AGRICULTURE

NAME..... ADM NO.....
CLASS..... SIGN.....
INDEX NO..... DATE.....

443/1
AGRICULTURE
PAPER 1
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES:

- This paper contains **three** sections A, B and C
- Answer **ALL** the questions in section A and B
- Answer any **Two** questions from section C
- All answers should be written in the spaces provided.

FOR EXAMINERS USE ONLY

SECTION	QUESTIONS	MAX SCORE	CANDIDATES SCORE
A	1-14	30	
B	15-18	20	
C		20	
		20	
TOTAL		90	

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

SECTION A (30MKS)

Answer ALL the questions in this section in the spaces provided

1. State **two** reasons why farmers should be encouraged to practice organic farming (1mk)

.....
.....

2. State **two** ways in which crop rotation controls weeds (1mk)

.....
.....

3. Name two methods of sowing pasture crops (1mk)

.....
.....

4. State **four** qualities considered when selecting seeds for planting (2mks)

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

5. State **four** advantages of crop rotation (2mks)

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

6. State **three** physical agents of weathering in soil formation (1 ½ mks)

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

7. Give **three** properties of a foliar fertilizer which makes it possible to be used as a foliar
Feed (1 ½ mks)

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

.....
.....
.....
8. Give **three** reasons why Banana should be pruned (1 ½ mks)

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

9. State **four** factors considered when classifying crop pests (2mks)

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

10. Give **four** reasons for land fragmentation (2mks)

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

11. State **two** mechanical methods used in separating soil in soil analysis (1mk)

.....
.....

12. State **three** ways in which inorganic fertilizers are classified (1 ½ mks)

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

13. State **three** effects of raindrops on bare soil (1 ½ mks)

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

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

14. Give **three** reasons why layering would be preferred to the use of cutting as a method of raising planting materials (1 ½ mks)

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

15. State the forms in which nitrogen is absorbed by plants (1mk)

.....

16. Outline **four** factors which effect herbraidal selectivity (2mks)

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

17. State **four** natural factors that may influence soil erosion (2mks)

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

18. Name four disadvantages of zero grazing (2mks)

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

19. Outline **four** factors which encourage soil erosion (2mks)

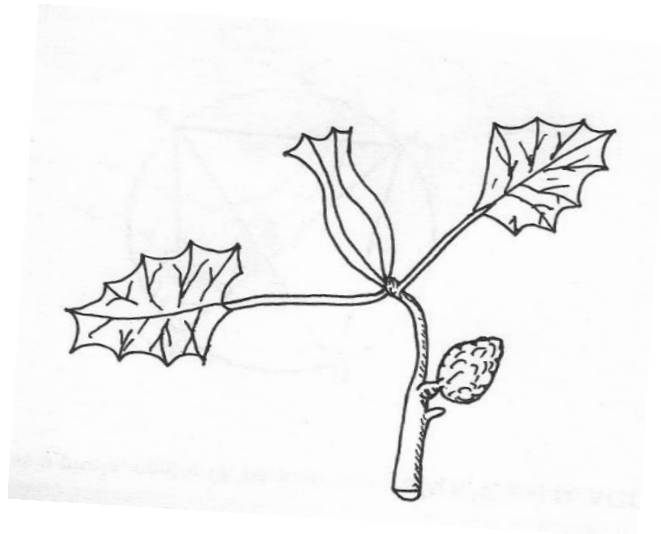
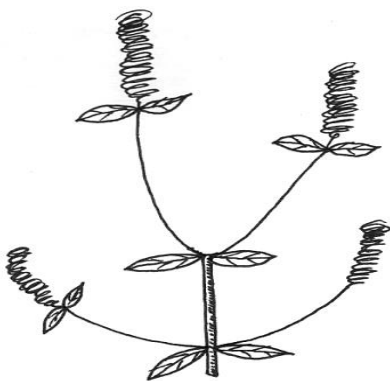
.....
.....
.....
.....

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

SECTION B (20 MKS)

Answer ALL Questions in this section

20. Below are illustrations of common weeds. Study them and answer the questions that follow



B

(a) Identify the weeds (2mks)

A.....

B.....

(b) State the harmful effects of the weed B above (1mk)

.....

(c) Give **four** advantages of leasehold tenure systems (2mks)

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

21. Describe the procedure which should be followed when spraying a crop of onions using a fungicide in powder form, water and a knapsack sprayer (5mks)

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

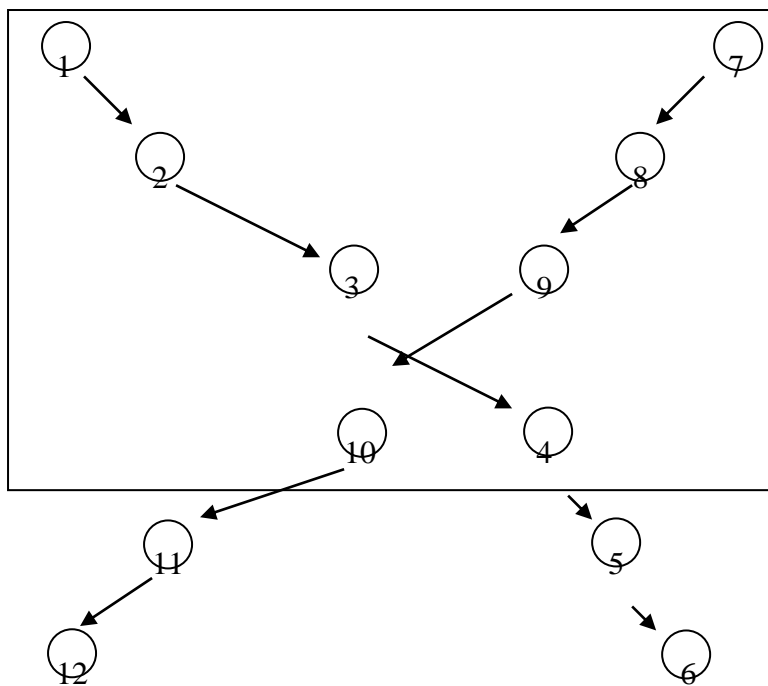
FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

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

22.. (a) What is soil sampling? (1 mark)

.....
.....

(b) Below is a method of soil sampling. Use it to answer the question that follow.



(i) What method of soil sampling is represented above? (1 mark)

.....
.....

(ii) name the other method of soil sampling (1mark)

.....

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

(iii) Outline **three** areas which should be avoided during soil sampling.

(3 marks)

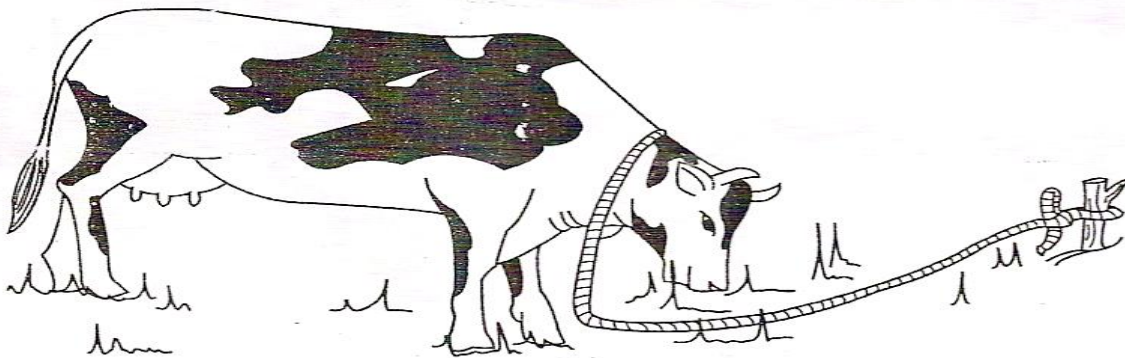
.....

.....

.....

.....

23. . Identify the rotational grazing system shown below (1mk)



.....

b) Give the **FOUR** advantages of the system named above (4mks)

.....

.....

.....

.....

SECTION C (40MKS)

Answer any two Questions in this section

24. (a) Describe harvesting of pyrethrum under the following sub-headings
- (i) Procedure (4mks)
 - (ii) Precautions (6mks)
- (b) Describe the safety measures observed when handling farm herbicides (10mks)
25. Describe the production of Rhodes grass (*Chloris gayana*) under the following sub-headings
- (a) Land preparation (5mks)
 - (b) Pasture establishment (8mks)
 - (c) Maintenance (7mks)

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

Dotted lines for marking schemes.

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657

Dotted lines for writing.

FOR MARKING SCHEMES CALL/WHATSAPP 0705525657