

# **FORM FOUR EVALUATION TEST**

**END OF 2<sup>ND</sup> TERM – 2018**

**AGRICULTURE F.4 PP<sub>1</sub> EXAM**

**July**

**TIME: 2hrs**

**NAME: \_\_\_\_\_ INDEX NO: \_\_\_\_\_ CLASS: \_\_\_\_\_**

## **Instructions to the candidates:**

- a) *Write your name and index number on the spaces provided.*
- b) *This paper consists of section A, B and C.*
- c) *Answer **all** the questions in section A and B.*
- d) *Answer **any two** questions in section C.*
- e) *Answer to all the questions must be written on the spaces provided in the booklet.*

## **FOR EXAMINERS USE ONLY**

<b>SECTION</b>	<b>QUESTION</b>	<b>MAX SCORE</b>	<b>CANDIDATES SCORE</b>
A	1-15	30	
B	16-19	20	
C	20 – 22	40	
<b>Total</b>		<b>90</b>	

**SECTION A: \_\_\_\_\_ (30 MARKS)**

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

1. Name four methods of farming. (2mks)
  
2. State four pieces of information contained in the land title deeds. (2mks)
  
3. a) State two factors that determine the stage at which the crop is harvested. (1mk)
  
- b) Outline four factors considered when designing a crop rotation programme. (2mks)
  
4. a) Define sub soiling. (1mk)
  
- b) Give two causes of hardpans. (1mk)

5. State four uses of phosphorus in the growth and development of crops. (2mks)
  
6. Give four aspects of rainfall that a farmer may consider when deciding on type of crop to grow. (2mks)
  
7. List four sources of organic matter in soil. (2mks)
  
8. Give four reasons why seed selection is important in the establishment of crops. (2mks)
  
9. a) Give two aspects of a good farm record. (1mk)  
  
b) What are two situations in farming where opportunity cost is zero. (1mk)
  
10. State four advantages of timely planting. (2mks)

11. Name three types of leguminous fodder crops. ( 1 ½ mks)
12. Give three maintenance practices for trees in agroforestry. ( 1 ½ mks)
13. State four problems that farmers are likely to face when marketing their produce. (2mks)
14. Differentiate between partial budget and complete budget. (2mks)
15. Give four physical agents of weathering. (2mks)

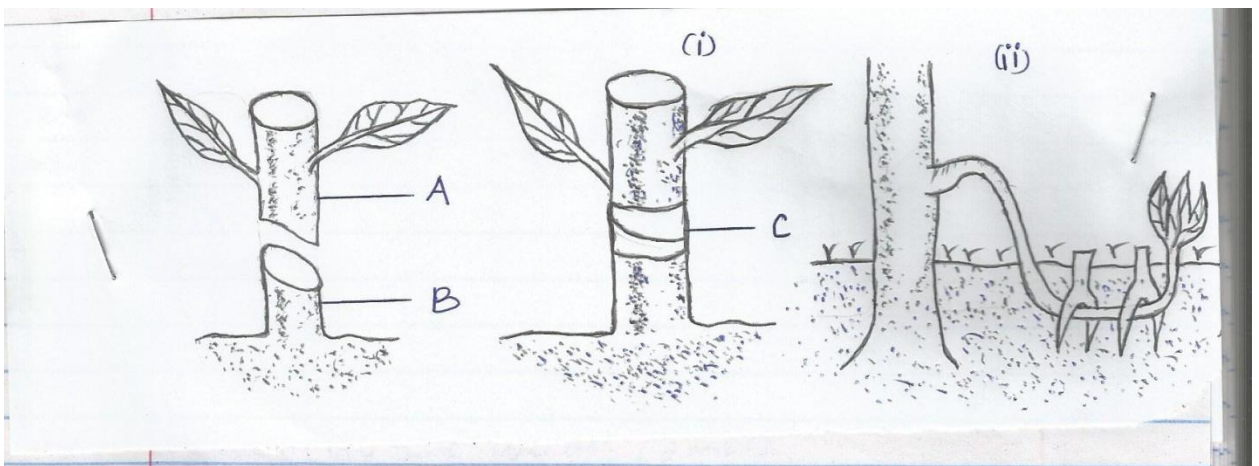
**SECTION B:** \_\_\_\_\_ **(20 MARKS)**

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

16. a) A farmer is to carry out farming in a soil that requires 50kg  $P_2O_5$  and has a fertilizer labelled 20:30: 0. How much fertilizer does he require. (4mks)

b) What is the percentage of  $P_2O_5$  in the fertilizer. (1mk)

17. The diagram labelled A, B, (i) and (ii) below illustrates materials and methods of vegetative propagation. Study them and answer the questions that follow.



a) Name the parts labelled A and B. (2mks)

A -

B -

b) Give the reason for carrying out practice C in diagram (i) (1mk)

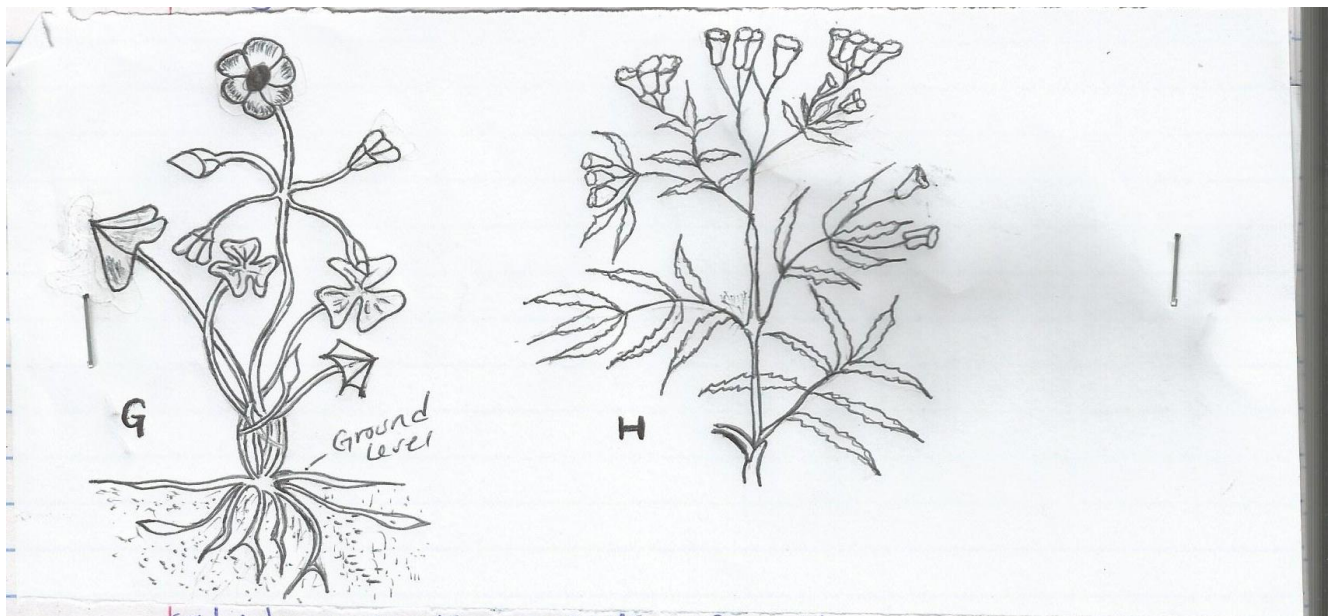
c) Name the methods of propagation illustrated in diagrams

i) and (ii) (2mks)

i)

ii)

18. Diagrams G and H below show some weeds.



a) Identify the weeds. (2mks)

G -

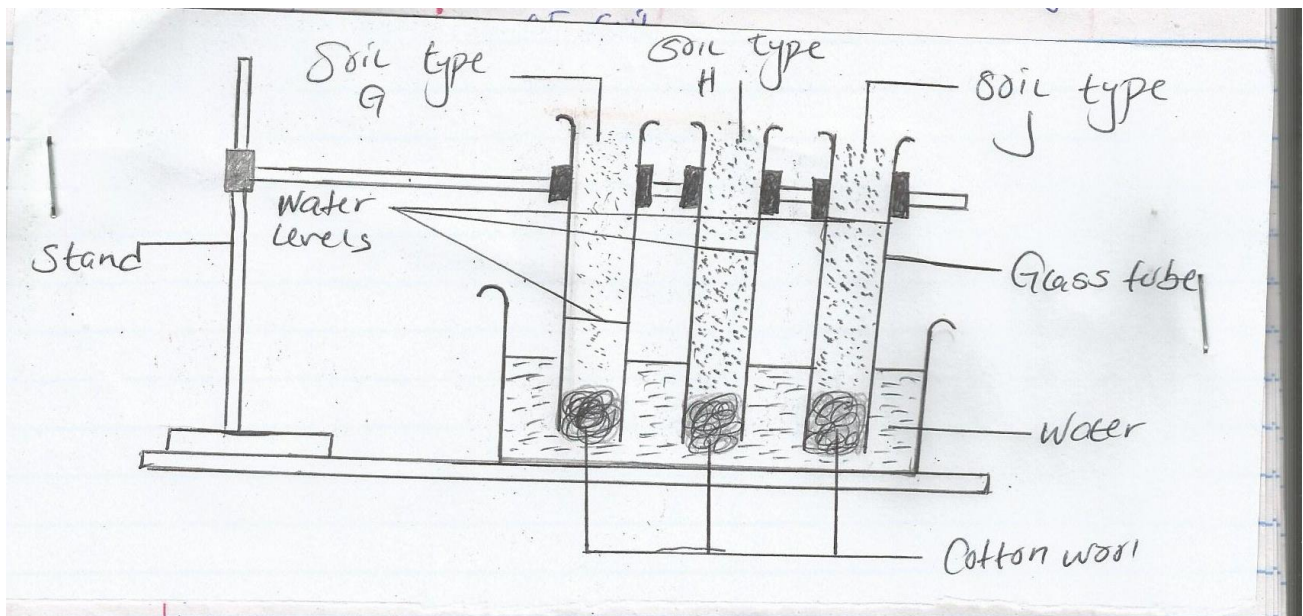
H -

b) State one economic importance of weed H. (1mk)

c) Why is it difficult to control weed G. (1mk)

d) Name an example of a systemic herbicide which can be used to control weed G. (1mk)

19. The diagram below shows an experiment set up using soil types G, H and J to investigate a certain property of soil.



a) Identify the property being investigated. (1mk)

b) Name the three soil types. (3mks)

G -

H -

J -

c) What conclusion can be drawn from the above experiment. (1mk)

**SECTION C:** (40 MARKS)

**Answer any two questions in this section in the spaced provided.**

20. a) Name four types of soil erosion by water. (4mks)

b) Explain eight factors influencing soil erosion. (16mks)



21. The following is a farm record which Mr. Kamau had kept on 30<sup>th</sup> June 2008. Study it carefully and answer the questions that follow.

	Ksh.
Cash in hand	20,000
Cash at bank	66,000
Buildings	50,000
Disc plough	16,000
Debtors	16,000
Working tools	12,000
Bank overdraft	24,000
Creditors	20,000
Loan	50,000
Cattle	40,000
Land	80,000

- i) Prepare the balance sheet from the above information for Mr. Kamau's farm. (6mks)



22. a) Describe the cultural methods of weeds control in crop production.  
(10mks)

b) Describe the harmful effects of pests on crops (10mks)

◆◆◆ **E N D** ◆◆◆