

**MWALIMU OGEKE  
END YEAR EXAMS  
FEB/MAR 2022  
FORM ONE AGRICULTURE**

**NAME.....AND.....CLASS.....**

**TIME :1 Hr 45Min**

**INSTRUCTION**

- *Answer all questions in the space provided.*

1.Name two areas of study that makes agriculture to be regarded as a science (2mks)

2.State four human factors that influence agriculture (4mks)

3. State three forms in which horticulture is practiced in Kenya (3mks)

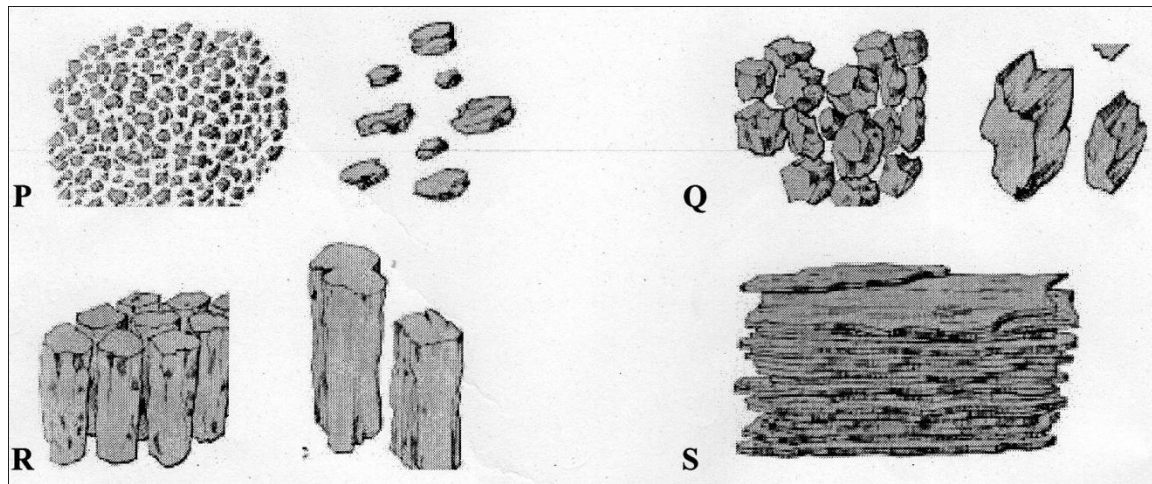
4.List down three biotic factors that influence agriculture negatively (3mks)

5.Name four aspects of rainfall that affects the level of crop growth and production (4mks)

6.Name four factors that influence soil formation (4mks)

7.State four constituents of soil (4mks)

8. The following diagram shows various samples of soil aggregates



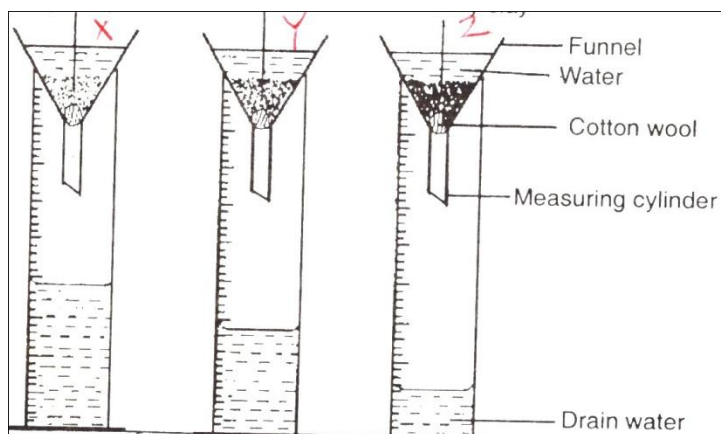
a) Identify the type of soils structures

(4mks)

b) Name two places where soils structure S can be found

(2mks)

9.



(i) Identify the soils in each of the following funnels labeled

(3mks)

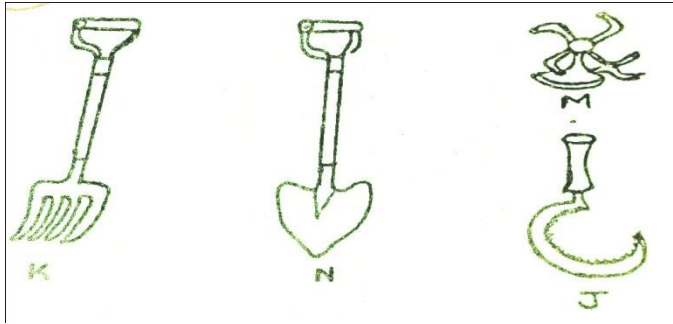
X \_\_\_\_\_

Y \_\_\_\_\_

Z \_\_\_\_\_

(ii) Which of the types of soil can be said to have the highest porosity rate? (1mark)

10.a) Identify the tools J, K, M and N (4 marks)



b) Give one use of each of the tools name in (a) above (4marks)

11. State four reasons for land preparation (2marks)

12. Name four types of water pumps (4marks)

13.a) Name two sources of water on the farm (1mark)

(b) Name three types of water pipes (3marks)

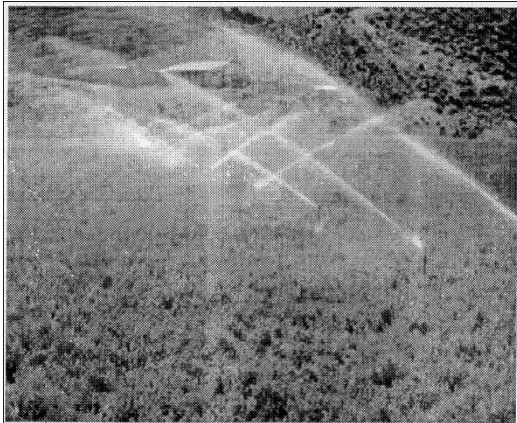
14 a) State three reasons of treating water

(3marks )

(B) State four uses of water in the farm

(2 marks)

15. Study the following photograph and use them to answer the question that follows



a) Identify the type of irrigation shown in the photograph

(1 mark )

b) State any two advantages of the above method of irrigation

(2 marks )

c) Other than the one shown above identify any other two methods that a farmer can use to irrigate his crops  
(2 marks)

16. Outline four features and characteristics of a fertile soil

(4 marks )

17. Give four characteristics of crops used for green manure preparation

(2marks )

18. State four importance of livestock in Kenya

(2 marks )

19. Carefully study the table below and fill in the missing words. (3mks)

Description	Cattle	Pigs	Poultry
Young from birth /hatching to warning	.....	.....	Chick
Young female before first parturition /laying	.....	Gilt	.....
Mature male for breeding	Bull	.....	.....

20. What is nitrogen cycle? (1mk)

21. State two types of sampling methods. (2mks)

22. State four reasons for applying phosphatic fertilizers. (2mks)

23. A farmer was advised to apply 150kg CAN/ha while top dressing the maize crop, CAN contains 21%N

Calculate the amount of nitrogen applied /ha. (2mks)

-