

GATITU SECONDARY SCHOOL, P.O. BOX 327 – 01030, GATUNDU

FORM 4 AGRICULTURE. MID TERM EXAMINATION. TERM 2 2015.

1. State two ways in which agriculture contributes directly to the development of industries. (2mks)

i)

ii)

2. State four factors considered when identifying a farming system. (4mks)

i)

ii)

iii)

iv)

3. What is the difference between ^{obriculture} ~~dericulture~~ and pomoculture? (2mks)

4. State four characteristics of shifting cultivation. (4mks)

i)

ii)

iii)

iv)

5. State two ways in which winds affect growth of crops. (2mks)

i)

ii)

6. Outline three effects of soil organisms that promote crop growth. (3mks)

i)

ii)

iii)

7. Mention three benefits of optimum temperature in crop production. (3mks)

i)

ii)

iii)

8. State four factors that influence soil formation. (4mks)

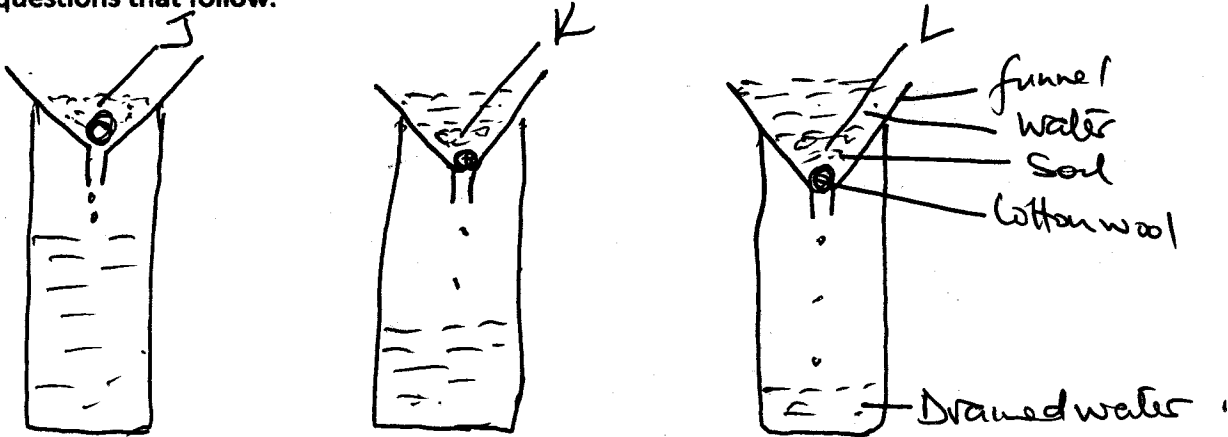
i)

ii)

iii)

iv)

9. The diagram below illustrated an experiment carried out on soil. Study it and answer the questions that follow.



a) What was the aim of the experiment?

(1mk)

b(i) Which of the three soil types has the highest porosity? (1mk

ii) Give a reason for your answer in b(i) above. (1mk

c(i) Which type of soil would be suitable for planting paddy rice? (1mk

ii) State a reason for your answer in c(i) above. (1mk

d) If the volume of water illustrated in the measuring cylinders was observed after one hour, identify the soil samples labeled J and K (2mks

e) State two ways in which the soil structures of the soil sample labeled L can be improved. (2mks

10. Name two tools used for cutting galvanized iron pipes. (2mks)
- i)
 - ii)
11. Give two safety measures that should be taken when using a cross cut saw. (2mks)
- i)
 - ii)
12. Mention four reasons why use of fire is discouraged during seedbed preparation. (4mks)
- i)
 - ii)
 - iii)
 - iv)
13. State three ways through which plant nutrients may be lost from the soil. (3mks)
- i)
 - ii)
 - iii)
14. Calculate the amount of P₂O₅ contained in 400kg of a compound fertilizer 25:10:5. (2mks)
15. Name two ionic forms in which Nitrogen is absorbed by plant roots. (2mks)
- i)
 - ii)

16. State three effects of soil erosion. (3mks)
- i)
 - ii)
 - iii)
17. Define the term "economic injury level" in crop production. (1mk)
- b) State two ways by which pesticides kill crops. (2mks)
- i)
 - ii)
- e) State two cultural methods of controlling boll worms in tomato crop. (2mks)
- i)
 - ii)
18. Distinguish between oversowing and undersowing. (2mks)
19. State two methods of conserving pastures on the farm. (2mks)
- i)
 - ii)

20a) Explain measures used to control livestock diseases.

(12 mks)

b) Describe steps to be taken in maintaining hygiene in a deep litter poultry house. (6mks)

21. State ten factors to consider when siting farm structure.

(10mks)

b) State 6 ways of improving labour productivity in the farm. (6mks)

c) Name four product relationships in Agricultural economics. (4mks)