GATITU MIXED SECONDARY SCHOOL

END OF TERM 1 EXAMS- 2013

AGRICULTURE FORM 3.

**SECTION A (30Mks)**

(Answer *all the question s in this section)*

1. State the importance of soil to crops(3mks)
2. State three symptoms of calcium deficiency in crops (3mks)
3. State four advantages of adding organic matter to sandy soil (4mks)
4. State three ways in which afforestation helps in land reclamation (3mks)
5. Outline three harmful effects of crop pests (3mks)
6. Give three symptoms of fungal diseases in crops(3mks)
7. Give two pig breeds that are good for bacon production(2mks)
8. Calculate the amount o fp2O5 contained in 200kg of a compound fertilizer 20-20-0 (2mks)
9. Name one tool that is use for weeding in the nursery or in carrot fields(1mk)
10. List any three climatic factors that influence crop distribution in Kenya (3mks)
11. Give the importance of farm tools (1mk)

SECTION B (20Mks)

1. a) Define the term spacing (2mks)

b) Explain the factors considered in varying the spacing of crops in the field (6mks)

c) Give four reasons for planting crops at the correct spacing (4mks)

1. a) Outline two planting materials use in propagation (2mks)

b) Name the plant part used in propagating pyrethrum (1mk)

c) State three advantages of using an onion bulb for propagation instead of using seeds. (3mks)

d) Differentiate between a bulb and a corm as a storage organs used for propagation (2mks)

**SECTION C (40MKS)**

*(Answer any two questions from this section)*

1. a) Explain the reasons for carrying out primary cultivation during seedbed preparation (6mks)

b) Explain the reasons for carrying out secondary cultivation during seedbed preparation (3mks)

c) Explain the factors that may determine the number of cultivations when preparing a seedbed (8mks)

d) Explain the reasons for rolling the seedbed (3ms)

1. a) Describe the preparation of a vegetable nursery bed (10mks)

b) Describe the procedure o f transplanting vegetable seed lings (10mks)

1. a) Explain the factors that determine the time of harvesting the crop produce(10mks)

b) Explain the various post harvest practices done on the crop produce after harvesting (10mks)