**ELERAI MCK GIRLS SECONDARY SCHOOL**

**AGRICULTURE**

**FORM 2**

**EXAM I TERM III 2014**

1. State four biotic factors that influence agriculture (2mks)
2. Giving four reasons for ridging in potato production (2mks)
3. Name the rabbit breed that is white in colour and had red eyes (1mk)
4. State four control measures of tse-tse flies (2mks)
5. Give two causes of forking in carrot production (1mk)
6. Outline three advantages of tissue culture (11/2 mks)
7. State four benefits of minimum tillage in crop production (2mks)
8. The diagram below illustration the spacing which is use when planting beans. Study the diagram and answer the questions t hat follow
9. Using the above illustration write down the correct spacing (1mk)
10. Using the spacing in (a) above calculate the plant population per hectare (2mks)
11. State four characteristics of nitrogenous fertilizer (2mks)
12. State two reasons why farmers are discouraged from clearing land using fire (1mk)
13. Give three sources of water in the farm (11/2mks)
14. List four ways of preventing water pollution in a farm (2mks)
15. Give four farm records that a kept by a dairy farmer (2mks)
16. State four characteristics of fertile soil (2mks)
17. Give four ways in which fertile soils can loose its fertility (2mks)
18. State four factors to consider when choosing the method of irrigation to use (2mks)
19. State two effects of HIV/AIDs on agriculture (1mk)

**Section B (20mks)**

**Answer all the question in this section in the spaces provided after each question**

1. A farmer wanted to top dress his 10 hectare of maize crop. There was only sulphate of Ammonia (21% nitrogen) in supply. Sulphate of Ammonia is applied at the rate of 120kg per hectare. Calculate the following:
2. Amount of sulphate of Ammonia fertilizer the farmer will require for the 10 hectares (1mk)
3. The amount of nitrogen in kilograms that he is able to be applied in the hectare (2mks)
4. The number of bags the farmer was going to purchase if the fertilizer is packed in 50kg bags (1mk)
5. The amount of money in Kshs. that the farmer was going to spend if 1 bag of sulphate of Ammonia costs Kshs 1200. (1mk)

**Section c (40mks)**

**Answer all the questions**

1. a) discuss the methods of fertilizer application (10mks)

b) Describe onion production under the following subheadings

i) Nursery management (6mks)

ii) Transplanting (4mks)

1. a) Describe the lifecycle of a three host tick (15mks)
2. b)Outline five ways of controlling ticks in the farm (5mks)