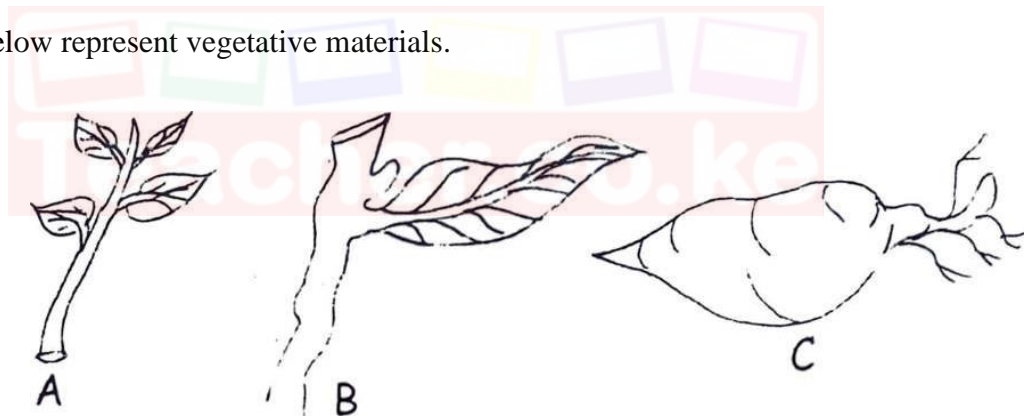


**AGRICULTURE FORM 2**

1. State four effects of HIV/AIDS on Agriculture. (4mks)
2. Outline four characteristics of plants used as green manure. (4mks)
3. State four characteristics of Romney marsh as a dual purpose breed of sheep. (4mks)
4. Outline four symptoms of Nitrogen deficiency. (4mks)
5. Stat four characteristics of phosphatic fertilizers. (4mks)
6. A farmer was advised to apply 150kg CAN/ha while topdressing the maize crop. CAN contains 21%N. calculate the amount of Nitrogen applied? (4mks)

7. The diagrams below represent vegetative materials.



**Identify** the materials labeled A, B, and C. (3mks)

8. Given that maize is planted at a spacing of 80cm x 25 cm, calculate the plant population in a hectare of land if two seeds maize planted per hole. (4mks)
9. Give the meaning of the term ‘seed rate’ as used in crop production. (1mk)
  - b. Outline six factors that should be consider e.g. when determining the seed rate for a given crop.(3mks)
10. State four disadvantages of using vegetative materials for planting.(4mks)

11. Identify four methods of breaking seed dormancy. (4mks)
12. Name four advantages of row planting. (4mks)
13. List **four** features of plastic pipes a farmer should consider before buying the pipes. (2mks)
14. List **three** types of nurseries. (1½mk)
15. Name **two** farming practices which may lead to soil erosion. (2mks)
16. (a) Give **two** harmful effects of high population density in a maize crop growth for grain production. (2mks)
- (b) **Calculate** the plant population per hectares of a maize crop planted at a spacing of 100cm x 50cm.

Show your working.

(2mks)

13. Where are the following soil structures found? (4mks)
- a) Single grained.....
- b) Granular.....
- c) Prismatic.....
- d) Platy.....
14. State **three** sources of nutrients to soils. (3mks)
15. What does the term **transition zone** refer to in soil profile? (1mk)

16. **Give** the appropriate term that refers to each of the following:

- (a) Sterile young male bird (½mks)
- (b) Young one of a rabbit (½mks)