

# FORM 2 TERM 3 APRIL 2022

## AGRICULTURE

### SECTION A

Answer **ALL** the questions in this section

- 1) **Differentiate** between apiculture and aquaculture (1mk)

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- 2) Name **four** methods of farming (2mks)

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- 3) State **four** possible uses of income earned from sale of agricultural produce (2mks)

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- 4) List **four** human factors that influence agriculture (2mks)

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- 5) Give **four** reasons for treating water for use on the farm (2mks).....

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- 6) State the **use** of each of the following farm tool listed below (2mks)

Sickle.....

Milk churn.....

Elastrator.....

Drenching gun.....

7) State **four** precautions that should be observed when using workshop tools (2mks)

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8) Give **four** reasons why burning is discouraged as a method of land clearing (2mks).....

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9) Name **four** practices that enhance minimum tillage (2mks).....

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10) Give **two** sources of underground water (1mk)

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11) State **four** characteristics of a fertile soil (2mks)

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12) Name **four** breeds of dairy goats (2mks)

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13) Name **two** types of labour records (1mk)

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14) List **four** symptoms of Nitrogen deficiency in plants (2mks)

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15) Name **two** vegetative materials used to propagate pineapples (1mk)

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16) Outline **four** factors considered when selecting a nursery site (2mks)

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17) State **four** characteristics of a good grain store (2mks)

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**SECTION B**

**ANSWER ALL THE QUESTIONS IN THIS SECTION**

18) The following is a list of plant nutrients; copper, calcium, nitrogen, zinc, molybdenum, phosphorus, carbon, sulphur, iron and magnesium.

Which of the above nutrients are?

a) Macro elements (2mks)

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b) Micro elements (1mk)

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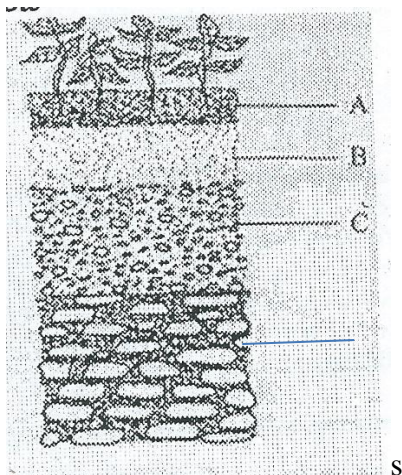
c) Fertilizer elements (1mk)

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d) Liming elements (1mk)

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19) The diagram below illustrates a feature observed after digging the soil several meters deep. Study the diagram carefully and answer the questions that follow



a) Identify the feature that the diagram above represents in the study of soil (1mk)

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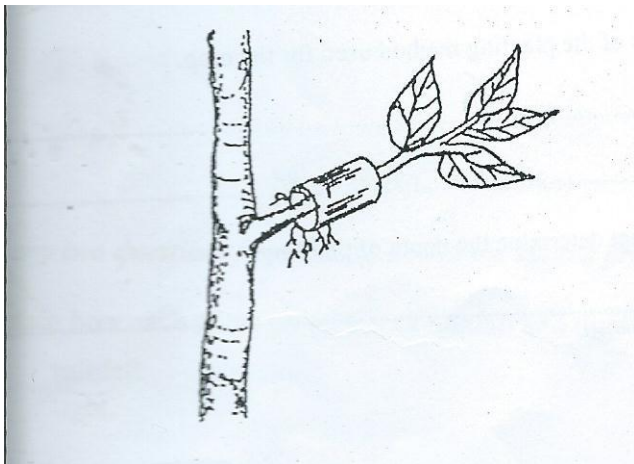
b) Name the parts on the diagram labelled A,B,C and D (2mks)

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c) State two ways in which the knowledge of the above feature would be of benefit to a farmer (2mks)

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20) the diagram below illustrates a nursery practice



a) identify the practice (1mk)

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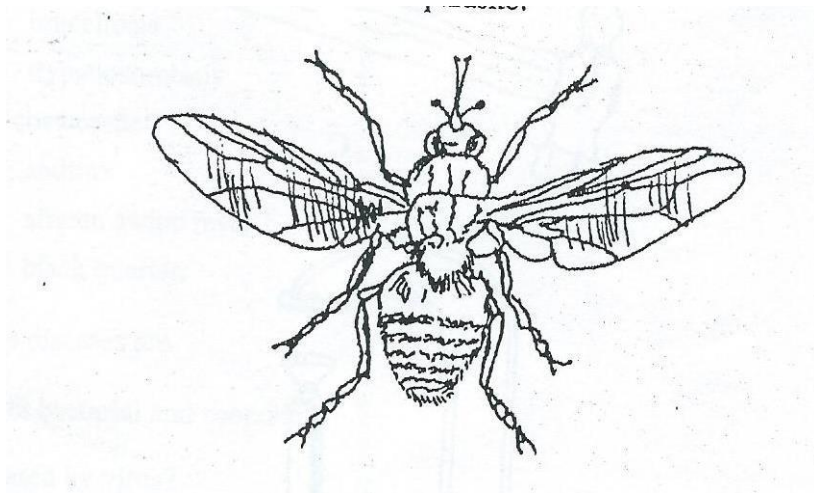
b) describe the procedure followed in carrying out the practice illustrated (2mks)

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c) state two advantages of the practice illustrated above in crop production (2mks)

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21) The diagram below illustrates a livestock parasite



a) identify the parasite illustrated above (1mk)

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b) state the major harmful effect of the parasite (1mk)

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c) explain three control measures of the parasite (3mk)

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**SECTION C**

**ANSWER ONLY TWO QUESTIONS IN THIS SECTION**

22) a) Explain the importance of vegetables to a farmer (5mks)

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b) Briefly describe the production of onions under the following sub-headings

i) Varieties (1mk)

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ii) Ecological requirements (3mks)

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iii) Land preparation (3mks)



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iv)Field management practices (4mks)

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v)Harvesting and marketing (4mks)

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23a) Define the following terms as used in livestock health (2mks)

i) Disease.....

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ii) Health.....

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b) State four pre-disposing factors of livestock diseases(2mks)

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c) Give reasons for keeping livestock healthy (6mks)

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d) Outline methods a farmer can use to control livestock diseases (5mks)

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e) Describe the harmful effects of parasites on livestock (5mks)

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24a) Explain five advantages of crop rotation (10mks)

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b) Outline five activities that may be undertaken in organic farming (5mks)

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c) A farmer wanted to prepare 200kg of calf rearing ration containing 20 % DCP , using the pearsons square method calculate the amount of maize containing 18% DCP and sunflower containing 35% DCP the framer would need to prepare.  
(5mks show your working)