**TERM 2 - 2023**

**AGRICULTURE**

**FORM TWO (2)**

**Time: 2 Hours**

**Name: …………………………………………………………. Adm No: ……………….**

**School: ……………………………………………………….. Class: …………………..**

**Signature: …………………………………………………….. Date: …………………...**

**INSTRUCTIONS TO CANDIDATES**

1. *Write your name and admission number in the space provided*
2. *Sign and write the date of examination in the space provided above*
3. *This paper consist of three sections A, B and C (100mks)*
4. *Answer all the questions in sections A and B and C*
5. *All answers should be written in the spaces provided*
6. *Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing*

**FOR EXAMINERS USE ONLY**

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| **SECTION** | **QUESTIONS** | **MAXIMUM SCORE** | **CANDIDATES SCORE** |
| A | 1-25 | 40 |  |
| B | 26-29 | 20 |  |
| C | 30 | 20 |  |
|  | 31 | 20 |  |
| **TOTAL SCORE** | 100 |  |

**SECTION A: (40 MARKS)**

**ANSWER ALL QUESTIONS IN THE SPACE PROVIDED**

1. Give two ways in which agriculture contributes to industrial development (1mark)

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1. Name two tertiary operations carried out during land preparation (1mark)

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1. Name one livestock disease transmitted by each of the following parasites (1½ marks)
2. Blue tick

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1. Brown ear tick

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1. Tsetse fly

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1. Name three tools used in handling cattle during an agricultural exhibition ( 1½ mark)

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1. Name two ways in which proper nutrition helps to control livestock diseases (1mark)

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1. Name four properties of clean and safe water for domestic use on the farm (2marks)

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1. Name four qualities that are considered when grading tomatoes for fresh market (2marks)

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1. Give the correct terms used for the following routine practices (2marks)
2. Removal of extra suckers in a banana stool

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1. Removal of old stems down to the level of top foliage in pyrethrum

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1. Removal of suckers in coffee bushes

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1. Removal and destruction of infected plants and plant parts

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1. Name two dual purpose breed of sheep (1mark)

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1. Name four non-pathogenic causes of diseases in livestock (2marks)

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1. Give four ways of applying fertilizers in the field of horticultural crops (2marks)

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1. Give four practices that help in achieving minimum tillage (2marks)

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1. State four reasons why most farmers do not use green manure in crop production (2marks)

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1. Outline four beneficial effects of soil organisms for plant growth (2marks)

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1. Give two practices that are carried out during the hardening off in tomato seedlings (1mark)

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1. State one use of each of the following (1mark)
2. Spokeshave

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1. Plumb bob

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1. Mention four advantages of raising seedlings in polythene sleeves (2marks)

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1. List four benefits a farmer may get by practicing crop rotation (2marks)

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1. Name the complementary tool for each of the following (1mark)
2. Trocar

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1. hand drill

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1. State two benefits of liming in crop production (1mark)

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1. Explain the following terms as used in fertilizers
2. Fertilizer grade (1mark)

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1. Fertilizer ratio (1mark)

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1. List four predisposing factors to livestock diseases (2marks)

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1. Give four ways in which diseases can be passed on from one animal to another (2marks)

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1. Name four insect parasites that attack livestock (2marks)

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1. Give two conditions that encourage damping off disease in a nursery bed (1mark)

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**SECTION B: (20 MARKS)**

**ANSWER ALL QUESTIONS IN THE SPACE PROVIDED**

1. The diagram below shows livestock parasites

 
E F

1. Identify the parasite labelled E and F (2marks)

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1. Name the organ where each of the parasites is commonly found (2marks)
2. Parasite E

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1. Parasite F

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1. Name the intermediate host of the parasite labelled E (1mark)

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1. The diagram below shows a method of draining water logged soils. Study it and answer the questions that follow



1. Identify the method illustrated (1mark)

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1. Give two reasons for draining water logged soils (1mark)

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1. Apart from the method illustrated above name other three ways of draining water logged soils (3marks)

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1. The diagram below shows a pest and the damaged crop. study it and answer the questions that follow.



1. Identify the crop pest illustrated above (1mark)

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1. What damage does the pest cause to the crop (1mark)

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1. State two ways of controlling the pest above (2marks)

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1. Other than the illustrated pest name other two pests that attack the crop shown (1mark)

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1. The diagram below shows vegetative propagation materials, use them to answer the questions that follow

 

 Q P

1. Identify the vegetative propagation materials represented in diagrams Q and P (2marks)

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1. Name a crop that is propagated by the materials in the diagram Q and P (2marks)

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1. Other than the vegetative material labelled Q name other materials used to propagate onions (1mark)

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**SECTION C: (40 MARKS)**

**ANSWER ALL QUESTIONS IN THE SPACE PROVIDED**

1. Explain FIVE factors considered when siting a vegetable nursery bed (5marks)

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1. Explain how each of the following environmental factors influence crop production
2. Temperature (5marks)

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1. Wind (5marks)

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1. Explain five advantages of mulching in crop production (5marks)

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1. Describe the production of tomatoes under the following sub headings
2. Land preparation (3marks)

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1. Transplanting (7marks)

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1. Field management practices (7marks)

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1. Diseases that attack tomatoes (3marks)

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