**TERM 2 - 2023**

**AGRICULTURE**

**FORM ONE (1)**

**Time: 2 Hours**

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

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

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

**Instructions**

Write your name, class and admission number in the space provided above.

* Write the date of the examination and sign in the space provided above.
* Answer ***all*** the questions in the spaces provided.
* You may be *penalized* for wrong spelling especially technical terms.

**For Examiner’s Use Only**

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| --- | --- | --- |
| **Question** | **Maximum Score** | **Candidate’s Score** |
| **1-21** | **100** |  |

***This paper consists of 8 printed pages. Candidates should check the question paper to ascertain that all the pages are printed as indicated and no questions are missing***

1. Name **two** areas of study which show that Agriculture is a science (2 marks)

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1. Give **two** reasons why Agriculture is important for the development of industries. (2 marks)

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1. State **four** main branches of agriculture. (4 marks)

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1. List **two** disadvantages of shifting cultivation (2 marks)

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1. Name **three** soil forming factors. ` (3 marks)

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1. State **four** factors farmers face in agricultural production. (4 marks)

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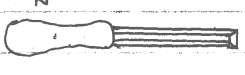
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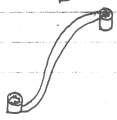
1. Give **three** aspects of light that influence crop production. (3 marks)

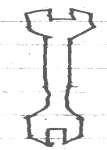
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1. Below are diagrams of farm tools. Use them to answer the question that follow.



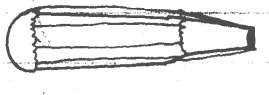
**L** **P**



**N** **M**



**P**



* + 1. Identify the tools (4 marks)

**L**…………………………………………………………………………………………

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**M**………………………………………………………………………………………

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**\_\_ \_ N**………………………………………………………………………………………

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* + 1. State **one** advantage of tool L over M (1 mark)

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* + 1. State **one** functional difference between N and P (2 marks)

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iv) Give **four** reasons for maintaining farm tools properly. (4 marks)

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1. State **two** reasons for cultivating during dry period. (2 marks)

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1. For each of the following Tertiary operations, give one reasons why it is carried out.

(2 marks)

(i) Ridging…………………………………………………………………………….

(ii) Rolling …………………………………………………………………………….

(iii) Leveling……………………………………………………………………………

1. Give **four** factors that determine the numbers of times a farmer would harrow his land. (4 marks)

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13. (i) What is water conveyance? (1 mark)

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* 1. Name **two** types of pipes used in the farm. (2 marks)

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* 1. State **three** uses of water on the farm (3 marks)

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14. State **two** surface irrigation methods. (2 marks)

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15 List **two** feature of plastic pipes a farmer should consider before buying the pipes.

(2 marks)

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1. State **five** ways by which soil loses its fertility. (5 marks)

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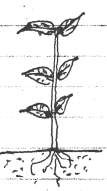
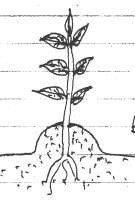
1. Give **three** factors considered when siting compost manure on the farm. (3 marks)

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1. The diagram below shows a practice carried out on various crops on the farm. Study them carefully and answer the questions that follow.

**A** **B**



* 1. Identity the practice represented by B. (1 mark)

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* 1. State the importance of the above practice in the following crops. (4 marks)
  2. Maize………………………………………………………………………………………
  3. Irish potatoes………………………………………………………………………………
  4. Tobacco…………………………………………………………………………………....

(d) Groundnuts………………………………………………………………………………..

iii) At what stage of growth should the above practice be carried out in maize?  (1mark)

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1. List **three** dairy goat breeds. (3 marks)

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1. Name a breed of dairy cattle having the following characteristics: red coat with white marking on the legs, face, tail/switch and girth. (1mark)

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21. State **four** characteristics of beef calf that makes it suitable for beef production. (4 marks)

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**\_**22. Give **two** advantages of keeping a Jersey cow instead of a Friesian cow for milk production.

(2marks)

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1. State **two** adaptations of dromedary camel to its environment. (2marks)

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1. Name **four** types of farm record. (4 marks)

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25. Give **two** advantages of organic farming in relation to environmental conservation. (2 marks)

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26 Describe the process involved in water treatment using chemical treatment system. (12 marks)

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