**QUALITY ASSUARANCE SERIRS FORM 1 END TERM 3 EXAMS 2023**

**AGRICULTURE (QUESTION PAPER)**

**FORM ONE**

**TIME 2HOURS**

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

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

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

**INSTRUCTIONS TO ALL CANDIDATES:**

1. ***Write your name and admission number in the spaces provided.***
2. ***This paper consists of section A, B and C.***
3. ***Answer all questions in section A, B and C in the spaces provided.***

***FOR EXAMINER USE ONLY***

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| **SECTION**  | **QUESTIONS**  | **MAXIMUM SCORE**  | **CANDIDATE SCORE**  |
| **A**  | **1-16**  | **50**  |  |
| **B**  | **17-20**  | **20**  |  |
| **C**  | **21-22**  | **30**  |  |
|  | **TOTAL**  | **100**  |  |

**SECTION A (50 MARKS) ANSWER ALL QUESTIONS.**

1. Differentiate between olericulture and pomoculture as used in crop production.(2mks)

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1. List four methods of farming.(4mks)

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1. State four advantages of organic farming. (4mks)

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1. Give four advantages of intensive farming.(4mks)

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1. List three physical weathering agents in the soil formation process.(3mks)

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1. State two mechanical methods of separating soil particle according to size during soil analysis.(2mks)

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1. State two effects of HIV/AIDS on agricultural production.(2mks)

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1. Distinguish between soil structure and soil texture.(2mks)

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1. Give three reasons for growing crops under optimum temperature conditions (3mks)

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1. Give two roles of soil microorganisms that are beneficial to crops. (2mks)

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1. State four biotic factors that influence crop production.(4mks)

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1. Explain how the properties of rainfall influence crop production.(4mks)

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1. Explain four ways in which the government policy improves agricultural production.(4mks)

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1. Give four conditions of the land which may make it necessary to carry out reclamation practices.(4mks)

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1. List three methods of treating water for use in the farm.(3mks)

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1. State three aspects of light that affect agriculture.(3mks)

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**SECTION B. (20 MARKS) ANSWER ALL QUESTIONS.**

1. The diagram below shows a set-up of an experiment to study an aspect of soil. The setup was left undisturbed for five hours. Study it and answer the questions that follow.

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* 1. What was the aim of the experiment.(1mk)

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* 1. State one observation that was made in each of the flask labeled C and D.(2mks)

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* 1. Give a reason for each of your answer in (b) above. (2mks)

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1. Study the diagram below and answer question that follow.

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* 1. Identify the tertiary operation above.(1mk)

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* 1. Give two importance of practicing the above tertiary operation.(2mks)

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1. The diagram below represents farm tools and equipments. Study them and answer the questions that follow.

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* 1. Identify the tool / equipment labeled J,K and M.

**J \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (1mk)

**K \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (1mk)

**M** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (1mk)

1. State one use of each of the tool equipment labeled K and L.

 K (1mk)

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L (1mk)

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1. Give two maintenance practices for the equipment labeled K above.(2mks)

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20. The diagram below represents an irrigation system. Use it to answer the questions that follow.

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* + 1. Identify the irrigation system show.(1mk)

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* + 1. Give four advantages of the system named in (a) above (4mks)

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**SECTION C: (30MKS) ANSWER ALL QUESTIONS.**

 21.a) Give five main reasons why farmers prepare a seedbed before planting. (5mks)

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* 1. Name three ways of achieving primary cultivation. (3mks)

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* 1. State and explain three tertiary operations carried out in the farm to suit production of certain crops. (6mks)

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* 1. Define the term subsoiling as used in land preparation. (1mk)

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22 a) Outline five activities that maybe undertaken in organic farming. (5mks)

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b) State and explain five reasons for maintaining farm tools and equipment. (10mks)

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