**NAME………………………………………………………………..ADM…………….**

**Class……………………………………………**

**JOINT EXAMINATION TERM THREE 2023**

**AGRICULTURE FORM ONE**

**TIME: 2 HOURS**

**Instructions**:

- This paper consists of 11 printed pages.

-This paper has three sections A,B and C.

- Answer **ALL** questions in sections A and B.

-Answer any **TWO** questions in section C.

**For Examiners use:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SECTION** | **QUESTIONS** | **MAXIMUM SCORE** | **STUDENTS SCORE** |
| **A** | **1-17** | **30** |  |
| **B** | **18-21** | **20** |  |
| **C** | **22** | **20** |  |
| **23** | **20** |  |
| **24** | **20** |  |
| **TOTAL** | **90** |  |

**SECTION A (ANSWER ALL THE QUESTIONS IN THIS SECTION)**

1. Define the following terms. (2mks)
2. Arable farming

………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Organic farming

………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Name four branches of livestock farming. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. State four characteristics of extensive farming system. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. List four aspects of rainfall that affect Agriculture. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give four constituents of soil. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. Name any four types of soil structures. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………...

1. State four ways of modifying soil P.H (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. State the use of the following tools and equipments. (2mks)
2. Strip cup: ……………………………………………………………………………………….
3. Burdizzo: ………………………………………………………………………………………
4. Bolus gun: …………………………………………………………………………………….
5. Plumb bob: ……………………………………………………………………………………..
6. Give four ways of clearing land during preparations. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Name two types of underground water sources. (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. State two types of pipes used to convey water to the farm. (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. List four types of irrigation systems. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. Give any four methods of drainage. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. Name any two types of organic manure. (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State four ways by which soil looses fertility. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. List four types of products a farmer can obtain from domesticated livestock. (2mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. Name two types of camel species reared in the farm. (1mk)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

**SECTION B (Answer ALL the questions in this section)**

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



1. Identify the tool illustrated above. (1mk)

…………………………………………………………………………………………………………..

1. On the diagram label parts A,B and C. (3mks)

A…………………………………………………………………………………………………….

B…………………………………………………………………………………………………….

C…………………………………………………………………………………………………

1. State two maintenance practices that can be done on the tool. (1mk)

……………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. The diagram below illustrates a farming operation done during crop production



1. Identify the practice. (1mk)

…………………………………………………………………………………………………………

1. Describe how the above practice is done. (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. State the importance of the practice. (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. The diagram below illustrates a method of water harvesting



1. Identify the method of water harvesting. (1mk)

…………………………………………………………………………………………………………....................................................................................................................................................................

1. State factors that determine the amount of water harvested by the method above. (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

1. State the maintenance practices that should be done on part A. (2mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 

1. State the aim of the experiment. (1mk)

…………………………………………………………………………………………………………………………………………………………………………………………………………………….

1. Identify soil types A,B,C. (3mks)

A………………………………………………………………………………………………………..

B………………………………………………………………………………………………………

C……………………………………………………………………………………………………..

1. Which of the above soil types is suitable for growing of paddy rice. (1mk)

……………………………………………………………………………………………………………………………………………………………………………………………………………………..

**SECTION C (Answer any TWO questions in this section)**

1. (a) Discuss the process of water treatment. (12mks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………........………………………………………………………………………………

 (b) Describe various uses of water in the farm. (5mks)

 ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 (c) State three reasons of treating water in the farm. (3mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. (a) Highlight five characteristics of fertile soils. (5mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………..

 (b) Describe various ways by which soil fertility can be maintained. (10mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….…………………………………………………………….........................................................................................................................................................................................................................................................................................................................................

 (c) List five factors that affect quality of farmyard manure. (5mks)

 ………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

1. (a) State the importance of livestock in the farm. (5mks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….

 (b) Describe the general characteristics of Dairy cattle breeds. (7mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

 (c) Explain the uses of farm records. (8mks)

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………