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

**Class……………………………………………**

**AGRICULTURE FORM 2**

**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

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1. Organic farming

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

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

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

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

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

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

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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)

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

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

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

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

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

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

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

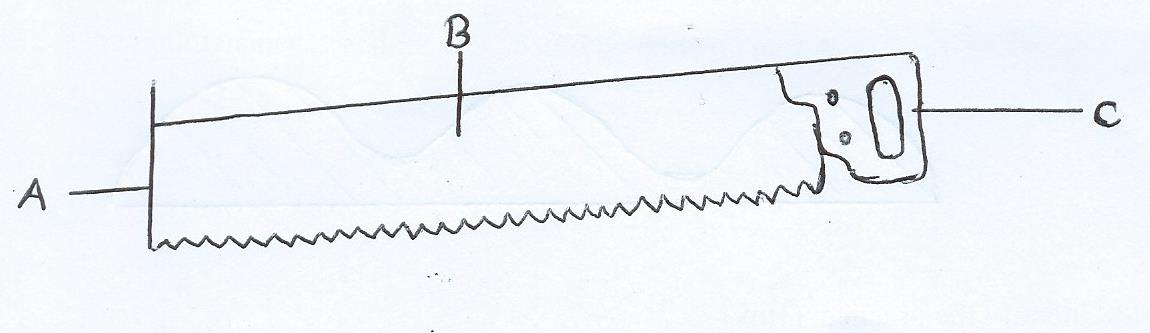
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1. Name two types of camel species reared in the farm. (1mk)

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**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)

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

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

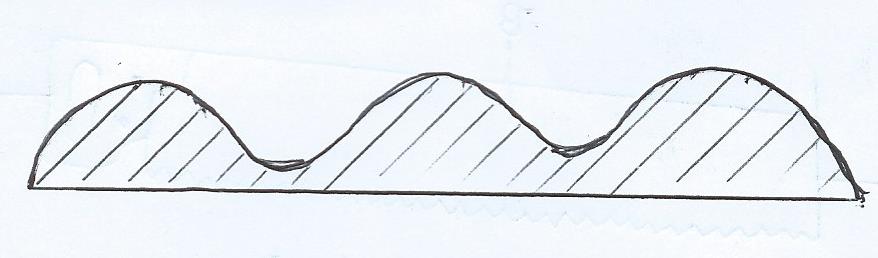
B…………………………………………………………………………………………………….

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)

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

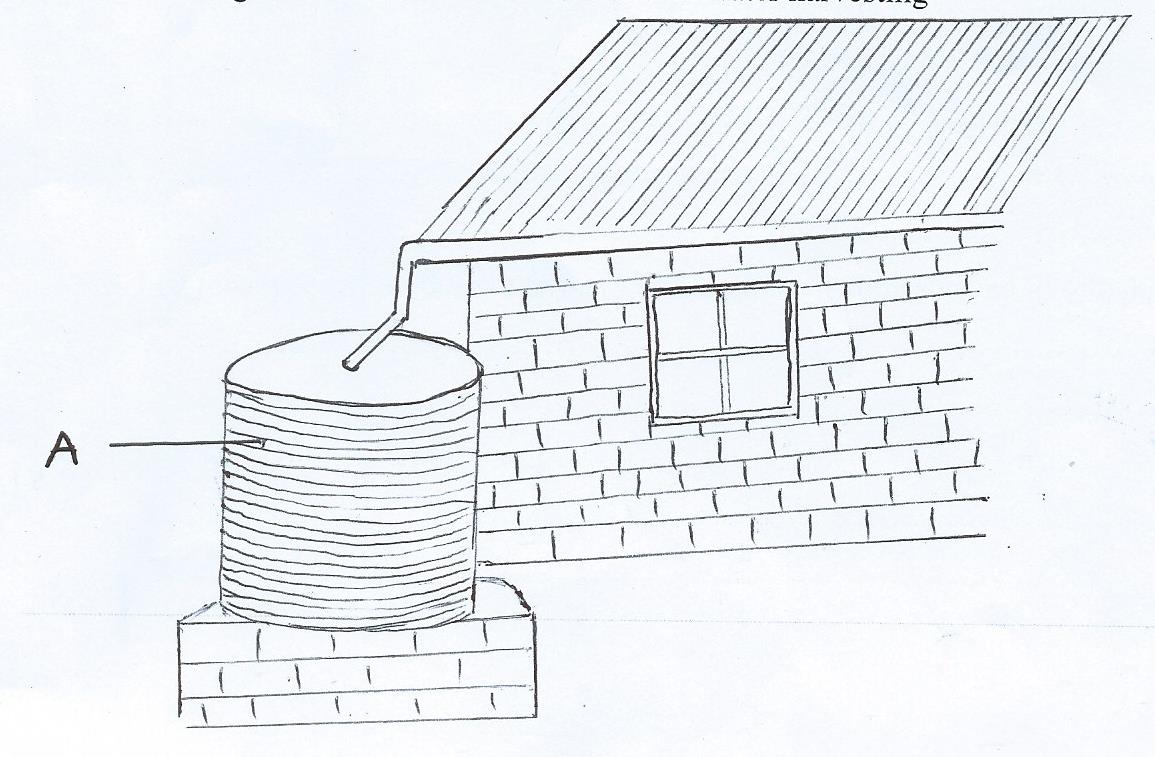
1. Describe how the above practice is done. (2mks)

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

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1. The diagram below illustrates a method of water harvesting



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

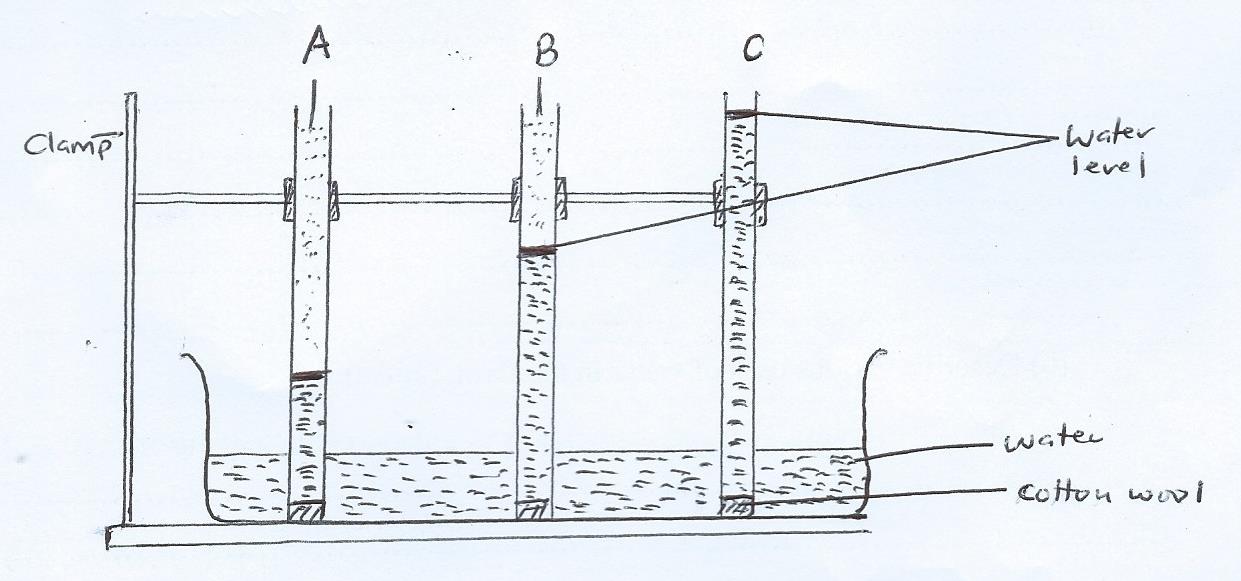
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1. State factors that determine the amount of water harvested by the method above. (2mks)

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

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

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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)

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

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

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

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

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

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

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

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

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