**Name:……………………………………………………………………………………………………………………….**

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**527/2**

**PRINCIPLES AND**

**PRACTICES OF**

**AGRICULTURE**

**(Practical)**

**Paper 2**

**Jul/Aug 2016**

**2 Hours**

**MUKONO EXAMINATIONS COUNCIL**

**Uganda Certificate of Education**

**PRINCIPLES AND PRACTICES OF AGRICULTURE**

**Practical**

**Paper 2**

**2 Hours**

**INSTRUCTIONS TO CANDIDATES**

* *Answer* ***all*** *questions.*
* *Read the questions carefully*
* *Answers are to be written in ink in the spaces provided.*

|  |  |  |
| --- | --- | --- |
| **For Examiner’s Use Only** | | |
| **Question** | **Marks** | **Examiner’s No and signature** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| **Total** |  |  |

1. You are provided with specimens N, P and R. Use them to answer the following questions.

a) What will be the effects of applying specimen N to P and R. ***(02marks)***

(i) P

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(ii) R

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b) Observe specimen P carefully and describe its state. ***(02marks)***

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c) Give two other causes of the condition in R. ***(02marks)***

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d) Give 3 other ways of reducing the condition in R. ***(03marks)***

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e) Give one quality that enable specimen N perform the function of holding water in the

soil. ***(01mark)***

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1. You are provided with specimens R1, R2 and R3. Use them to answer the following questions below.

a) Why is specimen R2 given to diary animals during milking? ***(02marks)***

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b) What is the likely effect of feeding diary animals on specimen R3 during lactation

period? ***(01mark)***

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c) How can a farmer reduce the effect of R3 to R1? ***(02marks)***

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d) Give 3 other conditions that affect the quality of specimen R1. ***(03marks)***

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e) Suggest two methods of preserving specimen R1. ***(02marks)***

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1. Specimens A, B and C are used in a tractor engine.

a) Pick a little sample of specimen B and rub between the first finger and the thumb.

Record your observation below. ***(03marks)***

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b) How is specimen A used to determine the state of specimen B? ***(05marks)***

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c) State the function of specimen C. ***(01mark)***

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d) Give two conditions that lead to drop in quality of specimen B. ***(01mark)***

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1. Specimen M1, M2, M3, M4 and M5 are building materials.

a) Observe the condition and give reason why they are not suitable for use in animal

uses. ***(05marks)***

M1

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M2

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M3

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M4

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M5

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b) How can specimens M2, M4 and M5 be improved to suit their purpose? ***(03marks)***

M2……………….…………………………………………………………………………………….........................................................................................................................................................................................................................M4......................................................................................................................................................................................................................................................................................................................................................................M5......................................................................................................................................................................................................................................................................................................................................................................

c) Give two advantages of using specimen M5 as a building material. ***(02marks)***

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1. Specimens X and Y are common pests in a farm gardens.

a) Classify the specimen according to feeding habits. ***(02marks)***

X……………….……………………………………………………………………………………......................................

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Y……………….……………………………………………………………………………………......................................

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b) Name at least two crops which are mostly affected by the above pests. ***(02marks)***

X

(i) ………………………………………………………………………………………………………………………

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

Y

(i) ………………………………………………………………………………………………………………………

(ii) ………………………………………………………………………………………………………………………

c) State one damage caused by the pests to the above named crops. ***(02marks)***

X……………….……………………………………………………………………………………................................

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Y……………….……………………………………………………………………………………................................

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d) Give two ways in each case how a farmer can reduce the damage mentioned above.

***(04marks)***

X

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

(ii) ………………………………………………………………………………………………………………………

Y

(i) ………………………………………………………………………………………………………………………

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

***End -***