**Name……………………………………………………………INDEXNO………………………**

**257/2**

**PRINCIPLES AND**

**PRACTICES OF AGRICULTURE**

**PAPER 2**

**PRACTICAL PAPER**

**2023**

**2 HOURS**

****

**BUSIIKA MUSLIM SECONDARY SCHOOL**

**Uganda Lower Secondary Curriculum**

**END OF TERM** II **2023 EXAMS**

**PRINCIPLES AND PRACTICES OF AGRICULTURE**

**(PRACTICAL)**

Paper 2

S.3

**2 hours**

**INSTRUCTIONS;**

*Answer all questions in this paper*

*All answers must be written in spaces provided*

|  |  |  |
| --- | --- | --- |
| **For Examiner’s Use only** | | |
| **Question** | **Marks** | **Examiner’s Signature and Number** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **Total** | | |

1.(a). You are provided with soil samples **B1** and **B2**. Get a small amount of specimen **B1** and moisten it with a little water. Rub it between the index figure and thumb

Describe your observation. Repeat the same procedure with soil sample . (02marks)

**B1**……………………………………………………………………………………………………...

**B2**………………………………………………………………………………………………………(b). Give the identity of each specimen.**.**  (02 marks)

**B1** …………………………………………………………………………………………………….

**B2**:……………………………………………………………………………………………………...

(c)Measure 50cm3 of specimen **B1** in a 100cm3 measuring cylinder. Measure 50cm3 of water and add to the sample in the cylinder. Stir the contents well with a glass rod and leave it to settle.

Record the volume of the content in the cylinder in the table below. Repeat procedure with specimen **B2**

Table of results *(02marks)*

|  |  |
| --- | --- |
| **Sample** | **Volume of content after settling** |
| **B1** |  |
| **B2** |  |

(i).Calculate. the percentage of the substance lost in each case. (0*2 marks)*

**B1**……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………**B2**………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

(ii) .Which of the two specimen **B1** and **B2** is better for crop production?. Give a reason. (02 marks)

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

(iii). Suggest how you would change specimen **B1** so that it resembles **B2**. (02 marks)

……………………………………………………………………………………………………………………………………………………………………………………………………………………2.You are provided with specimens **C**, **D, E, F** and **G.** Study them and answer the questions that follow.

(a) Identify the specimens. (02 mark)

**C**………………………………………………………………………………………………………

D………………………………………………………………………………………………………

**E**………………………………………………………………………………………………………

**F**...........................................................................................................................................................

**G**………………………………………………………………………………………………………

(b). Give the function of each specimen?. (02 marks)

**C**……………………………………………………………………………………………………….

**D**:………………………………………………………………………………………………………

**E**……………………………………………………………………………………………………….

**F**……………………………………………………………………………………………………….

**G**………………………………………………………………………………………………………

(C). How is specimen C designed to suit its function? (02 marks)

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

(d). Outline the care and maintenance the farmer should give to these specimens for proper functioning. (05 marks)

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

3. You are provide with specimens **H, I, J,** and **K** . Study it and answer the questions that follow.

(a) Identify the specimens **H, I, J, K** . (02 marks)

**H**……………………………………………………………………………........................................**I**.............................................................................................................................................................

**J**.............................................................................................................................................................

**K**……………………………………………………………………………………………………….

b) Identify and give the mode of propagation **H, I, J** and **K.** *(04 marks)*

|  |  |
| --- | --- |
| **Plant** | **Mode of propagation** |
| **H** |  |
| **I** |  |
| **J** |  |
| **K** |  |

(b). Outline any 3 problems that may be encountered in the use of the methods of plant propagations named in (b) above?. (03 marks)

…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………….(03 marks)

(c) Classify the specimen into annual and perennial crops. (01mark)

|  |  |
| --- | --- |
| Annual | Perennial |
|  |  |
|  |  |
|  |  |

.

4.You are provided with specimen labeled **L ,M, N,** and **O**which are inorganic fertilizers. Describe their appearance.. (04 marks)

|  |  |
| --- | --- |
| **Specimen** | **Appearance** |
| L |  |
| M |  |
| N |  |
| O |  |

(b) Give the identity of **L, M, N,** and **O** . (02marks)

**L**………………………………………………………………………………………...

**M**……………………………………………………………………………………….

**N**………………………………………………………………………………………..

**O**………………………………………………………………………………………..

(c).Suggest the nutrients supplied by each of the specimen **L, M, N** and **O**. (04 marks)

|  |  |
| --- | --- |
| **Specimen** | **Nutrient supplied** |
| **L** |  |
| M |  |
| N |  |
| O |  |

5. You are provided with specimen **P, Q, R, S** and **T** which are equipment used in animal management.

(a). Identify and give the function of each specimen. (10marks)

|  |  |  |
| --- | --- | --- |
| **Specimen** | **Identity** | **Function** |
| **P** |  |  |
| Q |  |  |
| R |  |  |
| S |  |  |
| T |  |  |

(b). State the care and maintenance of the specimen in (a) above. (05 marks)

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

**\*\*END\*\***

**PRINCIPLES AND**

**PRACTICES OF AGRICULTURE**

**PAPER 2**

**PRACTICAL PAPER**

**. 2023**

**2 HOURS**

**BUSIIKA MUSLIM SECONDARY SCHOOL**

**Uganda Certificate of Education**

**END OF TERM I 2023**

**S.4AGRICULTURE**

**PRINCIPLES AND PRACTICES**

**PRACTICAL PAPER 2**

**TIME: 2HRS**

**CONFIDENTIAL**

**B1 -**  sad **N-** CAN

**B2-**  Clay **O-** NPK

**C-** spirit level **P-** Burdizzo

**D-**Builder’s trowel **Q-** Ear notcher

**E-**Steel float **R**- Hypodermic syringe

**F-**Tape measure **S-**  Rope

**G –** Hand drill **T-**  Plastic feeder.

**H–** Pine apple

**I-**  Sugar cane

**J** –Carrots

**K**-Irish potatoes

**L –** Urea

**M –** DAP