

**P527/1**  
**PRINCIPLES AND**  
**PRACTICES OF AGRICULTURE**  
**Paper 1**  
**AUGUST. 2023**  
2 hours



**RAISE THE ROOF HIGH SCHOOL**  
**Uganda Certificate of Lower Secondary Education**  
**PAPER 1 TERM II 2023**  
**PRINCIPLES AND PRACTICES OF AGRICULTURE**  
**S. 2**  
**TIME: 2hours**

**INSTRUCTIONS:**

- *Answer all the questions in section A & one question in section B for sections A, write in the spaces provided and for section B write on the answer sheets.*
- *Elaborate with clear examples where possible.*

## SECTION A

1. Outline four methods of fertilizer application in cereal crop farming (4 marks)

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b. State four ways of checking for moisture content in cereal grains. (4 marks)

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c. As an upcoming agriculturalist, explain to the farmers two ways by which cereal growing is contributing to the national development. (2 marks)

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2a). What is seed viability (2 mark)

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(b) State two methods of testing for seed viability. (3 mark)

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c) Mention the various methods of breaking seed dormancy (5marks)

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3a) What is soil sampling (2 marks)

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b) Mention the various methods of carrying out soil sampling (2 marks)

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c).Outline the objectives of soil sampling (6 marks)

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4a). What is soil fertility (2 marks)

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b) Complete the table below;

(8 marks)

| PLANT<br>NUTRIENT | IMPORTANCE | DEFICIENCY |
|-------------------|------------|------------|
| Phosphorus        |            |            |
| Nitrogen          |            |            |

## SECTION B

5. Vegetable growing is one of the most lucrative businesses that can be practiced in Uganda as vegetables have various roles and hence a wide market. The biggest problem is that most Ugandans lack the knowledge and skill of how to properly grow these vegetables from the time of planting to a time of harvesting.



### TASK.

As an agriculture student, write a detailed report that can be read by someone and help them overcome the problem.  
(20 points)

**END**