

CANDIDATES NAME:.....

INDEX NUMBER							

SIGNATURE:

**527/2
PRINCIPLES AND
PRACTICES OF
AGRICULTURE
PAPER 2
(Practical)
JUNE/JULY
2 HOURS**

MOCK EXAMINATIONS SET 1 2019

Uganda Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

PAPER 2

(Practical)

2 HOURS

INSTRUCTIONS TO CANDIDATE:

★ *Attempt all questions in the paper in the spaces provided.*

FOR EXAMINERS USE ONLY	
QUESTIONS	MARKS
1	
2	
3	
4	
5	
TOTAL	

1. Specimen A and B are soil samples.
- a) Measure 20cm^3 of sample A and pour it in the measuring cylinder. To it add 30cm^3 of water and stir the content. Leave the contents to settle. Repeat the procedure for sample B.
- i) Record your observation for both the specimens. (4 marks)

A.

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B.

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- ii) Record the volume of the mixtures in each of the cylinders. (1 mark)

A.

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B.

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- b) Calculate the percentage of air in each of the soil samples. (4 marks)

A.

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B.

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2. Specimen C₁, C₂, C₃ and C₄ are fertilizers.

- a) Identify problems associated with using the fertilizer material labelled C₃ and C₄ in their current condition. (2 marks)

C₃.

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C₄.

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- b) Explain how specimen C₂ can be stored to maintain its quality on the farm. (2 marks)

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- c) Suggest measures of improving specimen C₃ and C₄ to make them suitable for crop use. (4 marks)

C₃.

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C₄.

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- d) State the benefits of using materials C₁ and C₂ to improve soil fertility. (3 marks)

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3. Specimen D, E and F are engine parts.

- a) Classify the specimen according to the tractor engine system to which they belong. (1 ½ mark)

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b) State one function for each of specimen. (3 marks)

D.

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E.

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F.

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c) Observe the conditions of specimen D and F. State two effects of any two conditions observed on the specimen. (4 marks)

Specimen	Condition	Effect of condition
D		
F		

d) Suggest the care and maintenance given to each of the specimen D and F to keep them in good condition. (2 marks)

D.

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F.

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4. Observe specimen J carefully.

a) Identify the body system from which specimen J was obtained. (1 mark)

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b) Draw specimen J in the space below and label the parts marked J₁, J₂, J₃, J₄, J₅ and J₆. (3 marks)

c) Give one function of each of the parts J₁ to J₆. (6 marks)

J₁.

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J₂.

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J₃.

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J₄.

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J₅.

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J₆.

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5. Specimen P, Q, R and S are construction materials.

a) Describe how specimen;

i) P, Q and R are used during construction of a floor for a calf pen. (4 marks)

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ii) S is used in constructing a wall for a poultry house. (2 marks)

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b) Why is specimen S important in the construction of farm building? (2 marks)

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c) Outline the precautions taken to ensure proper setting of the materials set after combining P, Q and R. (2 marks)

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END