

NAME OF SCHOOL:

NAME OF CANDIDATE:

INDEX NO: **SIGNATURE:**

527/2
PRINCIPLES AND
PRACTICES OF
AGRICULTURE
PAPER 2
JULY/AUGUST
2 HOURS



ELITE EXAMINATION BUREAU MOCK 2019
Uganda Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE
PAPER 2
(Practical)
2 HOURS

INSTRUCTIONS TO CANDIDATES:

- *This paper consists of five questions.*
- *Attempt all questions in the paper in the spaces provided.*

For examiners use only		
Questions	Scores	Examiner's signature
1		
2		
3		
4		
5		
Total		

1. You are provided with two soil samples F and G.
- a) Observe the specimens and state three differences between F and G.
(3 marks)

Specimen F.	Specimen G.

- b) Measure 20cm^3 of soil sample F and pour into the measuring cylinder and add 30cm^3 of water and stir then allow the mixture to settle, for 5 minutes.
- i) Observe and make the labelled drawing of content in the cylinder.
(2 marks)

ii) Calculate the percentage of air in F. (2 marks)

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c) With the reason, state which of the two samples is more suitable for crop production. (1 mark)

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d) Identify the layer of soil profile from which each soil sample was obtained. (2 marks)

F.

G.

2. You are provided with specimen J, K, L, M, N, P and Q are used in poultry.

a) Identify the stage of poultry production at which the specimens are used in a combination. (1 mark)

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b) State the roles of each of materials in the stage identified in (a) above. J. (½ mark)

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K. (½ mark)

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L. (½ mark)

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M. (½ mark)

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N. (½ mark)

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Q. (½ mark)

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c) Describe how the materials are used in a combination to perform their roles. (4 marks)

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d) Suggest the management practices conducted to ensure safe use of N. (2 marks)

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3. You are provided with specimen R₁, R₂, R₃, R₄, R₅ and R₆ which are tools used in farm work shop.

a) Describe how you would use each of the specimens in combination to construct a nesting box. (3 marks)

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b) Give the functions of each specimen. (5 marks)

R₁

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R₂

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R₃

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R₄

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R₅

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R₆

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c) Explain how specimen R₂ adopt to its function. (2 marks)

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4. You are provided with specimen S, T and U which are plants affected by pests.

a) Describe the observable damage on the plant parts. (3 marks)

S

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T

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U

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b) Suggest the pests that have caused the damage above. (3 marks)

S

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T
.....

U
.....

c) State the methods of controlling pests that attack specimen. (3 marks)

S
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T
.....

U
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5. You are provided with specimen V, W and X. Study them and answer the questions that follow.

a) Where is specimen V and W used in an engine? (2 marks)

V
.....

W
.....

b) Give the observable characteristics that make specimens V and W suitable for their functions. (2 marks)

V
.....

W
.....

c) State the uses of specimen X. (2 marks)

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d) Draw a well labelled diagram of specimen X. (2 marks)

e) State the functions of specimen V and M in farm mechanisation. (3 marks)

V
.....
W
.....

END