

Name:Random No.....

527/2

Principles & Practices of Agriculture

Paper 2

(Practical)

July/August 2019

2hours

BUGANDA EXAMINATIONS COUNCIL MOCKS

Uganda Certificate of Education

PRINCIPLES & PRACTICES OF AGRICULTURE

PRACTICALS

PAPER 2

2HOURS

INSTRUCTIONS TO CANDIDATES:

- Answer **ALL** questions in this paper.
- All answers must be written in the spaces provided.
- No additional sheets of paper should be attached to this question paper.

For Examiners Use Only		
Question	Marks	Examiners Signature
No. 1		
No. 2		
No. 3		
No. 4		
No. 5		
Total		

1. You are provided with specimens **A**, **B** and **C** which are animal parasites.

(a)(i) State the type of parasite for specimens **A** and **B**. (1mark)

A:

B:

(ii) Give a reason in each case for your answer in (a) (i) above. (2marks)

Specimen **A:**

.....

Specimen **B:**

.....

(b) State the physical damages caused by each specimen on a host. (3marks)

A:

B:

C:

(c) Basing on the observed features, how is each of the specimens **A** and **B** adapted to parasitic life. (2marks)

A:

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B:

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(d) State four methods of controlling specimen **C**. (2marks)

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2. You are provided with the following specimens **E, F, G, J,** and **K** which are tractor engine parts.

(a) Give the function of each specimen. (2½mrks)

E:

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F:

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G:

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J:

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K:

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(b) Basing on your observations, state two adaptations of each specimen to its function in (a) above. (05marks)

E:

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F:

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G:

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J:

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K:

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- (c) Name the type of fuel used by the farm machine from which the specimens **E, F, G, K** and **J** were obtained and give a reason for your answer. (01marks)

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- (d) Describe the procedure of using specimen **K** to achieve its purpose. (1½marks)

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3. Specimens **M₁, M₂, M₃** and **M₄** are used to feed animals. Observe them carefully and answer the questions that follow.

- (a)(i) Give the identity of specimens. (2marks)

M₁:

M₂:

M₃:

M₄:

- (ii) Describe the appearance of specimens **M₁, M₂, M₃** and **M₄**. (3marks)

M₁:

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M₂:

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M₄:

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- (b) If a farmer has specimen **M₁** containing 8% Cp and specimen **M₃** containing 43% Cp. Using the pearsons square, calculate the proportions in which he will mix the two ingredients to make a feed meal mixture of 15% Cp of 1000kg. (03marks)

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- (c) Give 4 ways of ensuring better intake and utilization of the mixture obtained in (b) above. (02marks)

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4. You are provided with specimens **R**, **S** and **T** which are affected plants parts.

- (a)(i) Describe the nature of damage on specimens; **R**, **S** and **T**. (03marks)

R:

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S:

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T:

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- (ii) Identify the vectors for the diseases on specimens **R** and **S**. (01mark)

R:

S:

- (b) Suggest 4 ways of controlling the damage on specimen **R** and **T**. (04marks)

R:

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T:

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- (c) State two effects of the damage on specimen S. (02marks)

(i)

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(ii)

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5. You are provided with specimens **W**, **X**, and **Y** which are used in poultry production.

- (a) Basing on two observed features, explain how each specimen **W** and **X** is suited to their purpose in poultry production. (04marks)

W:

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X:

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(b)(i) Describe how specimen **Y** is used in poultry farming. (01mark)

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(ii) State 4 ways of how the quality of specimen **Y** may be lowered on the farm. (02marks)

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(c) Suggest three management practices that should be carried out to maintain specimen **Y** in a good condition. (03marks)

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END.