

NAME OF SCHOOL:

NAME OF CANDIDATE:

INDEX NO: **SIGNATURE:**

527/1
PRINCIPLES AND
PRACTICES OF
AGRICULTURE
PAPER 1
JULY/AUGUST
2 ½ HOURS



ELITE EXAMINATION BUREAU MOCK 2019

Uganda Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

PAPER 1

(Theory)

2 HOURS 30 MINUTES

INSTRUCTIONS TO CANDIDATES:

- *Attempt all questions in Part A in the spaces provided.*
- *Attempt four (4) questions from Part B by choosing at least one question from each section.*

FOR EXAMINERS USE ONLY

QUESTION	MARKS
Part A:	
Part B:	
No.	
No.	
No.	
No.	
Total	

PART A (20 MARKS)

Attempt all questions in this part. For question 1, write the letter corresponding to the best answer in the box provided. For questions 2 to 5 write answers in the spaces provided.

1. a) Price fluctuation affects agriculture production because;
A. it causes inelastic demand for agriculture products
B. it distabilizes the farmers' income
C. It increases costs of production
D. it increases perishability of products.
- b) A defect in the isthmus of a hen causes
A. The thin shell
B. meat spot
C. deformed eggs
D. small eggs
- c) Which of the following is not a benefit of crop rotation?
A. improved utilisation of soil nutrients
B. reduced disease spread
C. stable soil PH
D. low rates of erosion.
- d) The following are pests that can be controlled by contact pesticides except;
A. army worms
B. aphids
C. locusts
D. maize stalk borers

2. a) Define the term soil structure. (1 mark)

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- b) Mention three farming activities that destroy the soil structure. (3 marks)

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3. State four ways through which the quality of hides and skins can be lowered. (4 marks)

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4. Outline four sources of information used in budgeting. (4 marks)

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5. Describe the events that take place during the compression stroke of a four stroke engine. (4 marks)

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PART B (80 MARKS)

Attempt any four questions from this part by choosing at least one question from each section. Write your answers in the booklets provided.

SECTION I: MECHANISATION AND FARM MANAGEMENT

6. a) Explain the factors considered when selecting the most suitable building materials. (10 marks)
- b) Describe the methods of treating wood for farm work. (10 marks)
7. a) Mention the factors limiting the use of draught animals in some parts of Uganda. (8 marks)
- b) Give reasons for poor disc penetration during ploughing. (6 marks)
- c) Suggest the care and maintenance of a disc plough before taking it to the field for ploughing. (6 marks)

8. a) Outline the safety rules for tractor operation. (10 marks)
b) With the aid of a diagram, describe the working of a wet-bath air cleaner. (10 marks)

**SECTION II:
ANIMAL PRODUCTION**

9. a) Why is stall feeding beneficial in goat production? (8 marks)
b) Describe the following sheep management practices. (12 marks)
 i) Docking
 ii) Castration
 iii) Crutching
 iv) Raddling
10. a) Describe the procedure of open castration in a calf. (14 marks)
b) Outline the precautions taken when castrating a calf. (6 marks)
11. a) What factors affect the rate of feed intake by farm animals? (12 marks)
b) State the reasons for adding additives to animal feeds. (8 marks)

**SECTION III:
CROP PRODUCTION**

12. a) State reasons why most farmers should practice irrigation on their crop farms. (8 marks)
b) Mention the problems of excessive irrigation in crop fields. (12 marks)
13. a) List down the objectives of soil sampling and testing. (6 marks)
b) Describe the procedures of taking a soil sample. (8 marks)
c) Mention the factors that make the soil sample unreliable. (6 marks)
14. a) Identify the advantages of early planting in crop production. (8 marks)
b) Explain the factors that determine the spacing of crops. (12 marks)

END