

NAME..... INDEX No.....

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**PRINCIPLE AND
PRACTICES OF
AGRICULTURE**

July/Aug, 2023

(THEORY)

PAPER 1

2 ½ hours



Uganda Certificate of Education

RESOURCE MOCKS 2023.

PRINCIPLES AND PRACTICES OF AGRICULTURE

(THEORY)

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES

*Answer **all** questions in part A and **four** questions from part B, including at least **one** question from each section.*

For Examiners' Use Only			
Part/ Question		Marks	Examiner's Signature No.
Part A:			
Part B:	No.		
	No.		
	No.		
	No.		
Total			

PART A (20 MARKS).

Answer all questions in this part .for question 1, write the letter corresponding to the best answer in the box provided. For questions 2-5, write all the answers in the space.

1. (a) which of the following plant nutrients is responsible for the formation of flower seeds?

A. Magnesium

B. Phosphorus

C. potassium

D. calcium.

☐

(b). The function of struts in fencing is to

A. prop up the droppers

B. support the ordinary struts

C. prevent wires from sagging

D. support strainer posts.

☐

(c). The end product of carbohydrate digestion in ruminant's are.

A. monosaccharaides

B. glucose and fructose.

C. simple sugars

D. volatile fatty acids.

☐

(d). which of the following practices controls price fluctuation of agricultural products?

A. contract farming

B. intensive farming

C. diversification

D. specialization.

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2. What are the main characteristics of Agricultural products? (03 marks).

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(b). state the reasons for processing Agricultural products. (02 marks)

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3. Describe **four** characteristics of a good cattle dip. (04 marks)

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4. (a) Differentiate between drying off and steaming up of dairy animals. (02 marks)

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(b) Give **three** advantages of drying off dairy animals. (03 mark)

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5. (a) State **four** signs of Nitrogen deficiency in crops. (02marks)

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(b). state any farming practices that may increase the level of nitrogen in the soil. (02 marks)

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PART B (80 MARKS)

*Answer any **four** questions from this part, choosing atleast **one** from each section.*

SECTION 1

MECHANIZATION AND FARM MANAGEMENT.

6. (a) Suggest **six** methods of increasing the wheel grip of a tractor. **(06 marks)**
(b) Explain how a tractor operator should ensure that the tractor is in good working condition before the day's work. **(09 marks)**
(c) Outline **five** limitations of using a tractor. **(05 marks)**
7. (a) Outline the advantages of using wood as a building material. **(05 marks)**
(b) Describe how the following methods are used in wood treatment. **(12 marks)**
(i) Hot and cold soaking
(ii) Sap displacement
(iii) Vacuum treatment
(c) Describe precautions taken when air seasoning timber. **(03 marks)**
8. (a) Suggest what financial institution's must do to ensure proper use of credit by the farmers. **(06 marks).**
(b) Explain how farmers should guard against risks and uncertainties in farming. **(12marks)**

SECTION 11.

CROP PRODUCTION.

9. (a) State the advantages of planting cassava from stem cuttings. **(05 marks)**
(b) Explain the importance of various management practices in improving cassava yields. **(10 marks)**
(c) What is the importance of growing root crops? **(05 marks)**
10. (a) State the effects of pests on growing crops. **(08marks)**
(b) Describe the features of a crop store that reduce damage of crop produce. **(12 marks)**
11. (a) what are the benefits of using farmyard manure? **(06marks)**
(b) Describe how good quality farmyard manure is prepared on the farm. **(14marks)**

SECTION 111

ANIMAL PRODUCTION

- 12. (a)** Outline the signs of calving down. **(10 marks)**
 (b) Describe how a calf is trained to feed from a bucket. **(10 marks)**
- 13. (a)** Outline the importance of keeping animals healthy. **(05 marks)**
 (b) How can disease outbreak in the farm be controlled? **(10 marks)**
 (c) State precautions taken during vaccination of farm animals **(05marks)**
- 14. (a)** Explain the factors affecting milk yield in a lactating cow. **(12 marks)**
 (b) Outline the procedure of clean milk production in the farm **(08marks)**

END.