

Name:..... Centre / Index No. /

Signature.....

527/1
**PRINCIPLES AND
PRACTICES OF
AGRICULTURE**
(Theory)
Paper 1
July / August 2023
2 ½ hours

SECONDARY SCHOOLS JOINT MOCK EXAMINATIONS, 2023

Uganda Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

Paper 1

THEORY

2 HOURS 30 MINUTES

INSTRUCTIONS TO CANDIDATES:

Answer all the questions in Part A and Four Questions from part B including at least one Question from each Section.

FOR EXAMINER'S USE ONLY	
Question	Marks
1	
2	
3	
4	
5	
Total	

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Turn Over

PART A: 20 MARKS

*Answer **all** questions in this part:*

For questions 1, write the letter corresponding to the best answer in the box provided.

For questions 2 to 5, write all answers in the spaces provided.

1. (a) Addition of organic matter to a clay soil improves it's

- A. texture.
- B. structure.
- C. porosity.
- D. stability.

☐

(b) The following livestock diseases are not caused by a virus except

- A. black quarter.
- B. Anthrax
- C. Rinderpest.
- D. Salmonellosis.

☐

(c) The land tenure system which encourages agricultural development is

- A. Free-hold system.
- B. State ownership.
- C. Communal tenure.
- D. Landlordism.

☐

(d) Weights are usually added to the front part of the tractor in order to

- A. Stabilise the tractor.
- B. Increase the depth of ploughing.
- C. Keep the front wheels on track.
- D. Improve traction.

☐

2. Outline four benefits of diversification in Agriculture.

(04 marks)

- (i)
-
- (ii)
-

-
- (iii)
-
- (iv)
-

3. (a) Give three reasons why milk is highly perishable. (03 marks)

- (i)
-
- (ii)
-
- (iii)
-

(b) State two practices that lead to milk hold up in a cow. (02 marks)

- (i)
-
- (ii)
-

4. (a) Give two practices that may be used to maintain live fences. (01 mark)

- (i)
-
- (ii)
-

(b) Outline four limitations of live fences. (04 marks)

- (i)
-
- (ii)
-

(iii)

(iv)

5. (a) State two characteristics of subsistence farming. (01 mark)

(i)

(ii)

(b) Give three disadvantages of subsistence farming. (03 marks)

(i)

(ii)

(iii)

PART B: 80 MARKS

- Answer four questions including at least one question from each section.
- Additional questions answered will not be marked.
- Write your answers in the answer booklets provided.

SECTION I MECHANISATION AND FARM MANAGEMENT

6. (a) Explain the meaning of the following terms as used in farm business.(08 marks)
- (i) Budget
 - (ii) Assets
 - (iii) Liabilities
 - (iv) Capital

- (b) Explain why it is important for a farmer to make a budget for his farm business. (12 marks)

7. (a) Suggest the factors considered when locating a site for a piggery unit on a farm. (08 marks)
(b) Outline the advantages of pig production. (12 marks)
8. (a) What are the advantages and disadvantages of using animal power on the farm? (08 marks)
(b) Explain factors that encourage the use of Ox-cultivation. (12 marks)

SECTION II

CROP PRODUCTION

9. (a) Outline the desirable characteristics that a green manure crop should have. (10 marks)
(b) What problems are associated with the use of green manure? (10 marks)
10. (a) What factors should a farmer consider before starting vegetable production? (10 marks)
(b) Outline the activities carried out on a nursery bed from planting up to the time when seedlings are taken to the field. (10 marks)
11. (a) Describe the cultural methods used in weed control. (12 marks)
(b) Outline the disadvantages of using chemicals to control weeds. (08 marks)

SECTION III

ANIMAL PRODUCTION

12. (a) Outline the characteristics of a good dairy cow. (08 marks)
(b) Explain why most farmers in Uganda continue to rear indigenous cattle. (12 marks)
13. (a) Describe how you would ensure maximum production of high quality eggs in a deep litter system. (10 marks)
(b) Outline the advantages and disadvantages of free range system of poultry keeping. (10 marks)
14. (a) Explain the factors that influence feed intake by farm animals. (10 marks)
(b) Outline the considerations that are made in formulation of rations for farm animals. (10 marks)