

Name:..... centre/Index No.....

Signature

527/1
Agriculture
(Theory)
Paper I

2 ½ hrs

INTERNAL MOCK EXAMINATIONS – 2019

PRINCIPLES AND PRACTICES OF AGRICULTURE

UGANDA CERTIFICATE OF EDUCATION

Paper 1

Time:2hrs 30minutes

INSTRUCTIONS TO CANDIDATES

- *This paper consists of Part A and Part B. Answer ALL questions in part A and **four** questions from part B including at least **one** question from each section.*

FOR EXAMINER’S USE ONLY	
Part/question	Marks
A.	
B. No	
No.	
No.	
No.	
Total	

Part A (20marks)

Answer all questions in this part. For each question write the letter corresponding to the best answer in the box provided.

1. (a) How can mealy bugs and aphids be controlled on crop plants?
A. Use of systemic insecticides
B. Use of systemic fungicides
C. Spraying with chemicals
D. Use of fumigants

b) The main aim of breeding livestock is to;

- A. Increase the number of animals on the farm
B. Improve the quality and quantity of animal products
C. Prevent in-breeding in a herd
D. Improve growth rate in animals

c) The function of the frog of an ox-plough is to.....

- A. Penetrate the soil and cut furrow slices at the desired depth
B. Adjust the depth and width of ploughing
C. Turn the furrow slices
D. Provide attachment for the beam, land side and share

d) Bulbils for vegetative propagation are found in;

- A. Couch grass
B. Sisal
C. Onions
D. Bananas

2. (a) Outline the different post harvest handling practices carried out on a crop. (04mks)

- i)
- ii)
- iii)
- iv)

b) Give **four** importance of processing crop produce. (04mks)

- i)
- ii)
- iii)
- iv)

3. State **four** advantages of using animal technology in farm operations. (04mks)

- i)
- ii)
- iii)
- iv)

4. (a) Outline the ways of ensuring that a tractor functions efficiently. (02mks)

- i)
- ii)

b) Give **two** factors that reduce the grip of tractor tyres. (02mks)

- i)
- ii)

5. (a) Outline **four** advantages of a good soil structure in crop product. (02mks)

- i)
- ii)
- iii)
- iv)

Part B

Answer **four** questions from this part including at least one question from each section additional questions answered will not be marked.

SECTION I

CROP PRODUCTION

- 6. (a) Explain the considerations when choosing an irrigation method to use on a farm. (12mks)
b) Outline the importance of irrigation in farming. (08ks)
- 7. (a) State the effects of pests on crops. (08mks)
b) Explain the practical cultural methods used in controlling pests. (10mks)
- 8. (a) Describe the factors that affect the type of fertilizer to apply in the field. (12mk)
b) Outline the management practices you would perform while raising seedling in a nursery bed. (08mks)

SECTION II
ANIMAL PRODUCTION

9. (a) State the qualities of a good stock man. (08mks)
b) Explain the factors that influence water intake by animals. (12mks)
10. (a) Define **artificial incubation**. (02mks)
b) Outline the consideration when selecting eggs for hatching on the farm. (06mks)
c) Describe the management practices carried out during artificial incubation. (12mks)
11. (a) With a flow diagram, describe the life cycle of a liver fluke. (10mks)
b) Explain how animal acquire diseases on the farm. (10mks)

SECTION III
MECHANIZATION AND FARM MANAGEMENT

12. (a) Explain the considerations when selecting site suitable for farm building. (14mks)
b) Outline the characteristics of a good livestock house. (08mks)
13. (a) Discuss the activities carried out to facilitate marketing of agricultural products. (12mks)
b) Explain the factors that determine price of a commodity. (08mks)
14. (a) Why are diesel engines more suited for farm work? (04mks)
b) Describe the operation of a 4-stroke compression ignition engine. (16mks)

===**END**===