

Name: .....

526/1

Principles & Practices of Agriculture

(Theory)

July/August 2019

2½ hours

## BUGANDA EXAMINATIONS COUNCIL MOCKS

**Uganda Certificate of Education**

**PRINCIPLES & PRACTICES OF AGRICULTURE**

**(THEORY)**

**2HOURS 30 MINUTES**

### INSTRUCTIONS TO CANDIDATES:

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

FOR EXAMINER'S USE ONLY		
Part/question	Marks	Examiners No.
Part A		
Part B: No.		
No.		
No.		
No.		
<b>TOTAL</b>		

## PART A (20 MARKS)

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

- 1(a) How can calf pneumonia be prevented on the farm?
- A. Quarantine
  - B. Vaccination
  - C. Dipping
  - D. Good housing
- (b) Which one of the following discourages farmers from acquiring loans from money lending organizations?
- A. Repayment schedule is short
  - B. High interest rate
  - C. Collateral is required
  - D. Lending organizations are dishonest
- (c) Why is a damp proof course put on the foundation of a building?
- A. To provide more strength to the walls
  - B. To reduce cracks in the walls
  - C. To prevent capillarity into the walls
  - D. To ease setting of bricks
- (d) Which acid preserves silage during ensiling process?
- A. Acetic acid
  - B. Butyric acid
  - C. Propionic acid
  - D. Lactic acid
2. State the factors considered when formulating animal rations. (02marks)  
(05marks)
- (i) .....
- (ii) .....
- (iii) .....
- (iv) .....
- (v) .....

3(a) What is meant by equilibrium price? (01mark)

.....  
.....

(b) Give **four** ways in which price is determined in a market. (04marks)

(i) .....

(ii) .....

(iii) .....

(iv) .....

4. State the benefits derived from the use of farmyard manure. (04marks)

(i) .....

(ii) .....

(iii) .....

(iv) .....

5. Why is dipping against ticks sometimes ineffective? (04marks)

(i) .....

(ii) .....

(iii) .....

(iv) .....

## PART B (80 MARKS)

Answer any **four** questions including at least **one** from each section. Write your answers on the answer sheets provided.

### SECTION I

#### MECHANISATION AND FARM MANAGEMENT

- 6(a) What are the benefits of being a member of a co-operative society? (06marks)  
(b) Explain the principles on which co-operatives operate. (14marks)
- 7(a) Name the components of a water cooling system of a tractor. (06marks)  
(b) Describe how the water cooling system of a tractor engine works. (08marks)  
(c) How can the water cooling system of a tractor engine be maintained in a good working condition? (04marks)
- 8(a) Why is wood commonly used as a construction material? (04marks)  
(b) State the factors to consider before selecting fencing materials. (06marks)  
(c) Describe how a barbed wire fence is established on the farm. (10marks)

### SECTION II

#### CROP PRODUCTION

- 9(a) State the importance of legumes in a cropping programme. (04marks)  
(b) Describe the field practices carried out in the growing of beans to increase yields. (12marks)  
(c) Outline the post-harvest practices carried out on beans. (04marks)
- 10(a) Name and describe the types of water erosion. (08marks)  
(b) Explain the factors that encourage erosion. (12marks)
- 11(a) What is pricking out? (01mark)  
(b) Describe the procedure to follow when transplanting tomatoes. (10marks)  
(c) How would you maintain tomato seedlings after transplanting? (09marks)

## **SECTION III**

### **ANIMAL PRODUCTION**

- 12(a) Why are ticks a problem in animal production? (04marks)  
(b) Describe how tick control can be achieved through hand spraying. (12marks)  
(c) Outline the non-chemical methods used in the control of ticks. (04marks)
- 13(a) State the advantages of dairy farming. (06marks)  
(b) Explain the factors to consider when establishing a dairy farm. (14marks)
- 14(a) What are the features of a good deep litter house? (04marks)  
(b) Describe the management of layers in a deep litter house to produce quality eggs. (12marks)  
(c) State the disadvantages of using a deep litter system of poultry management. (04marks)

***END***