

MOCK SET I EXAMINATIONS 2019

Uganda Advanced Certificate of Education
PRINCIPLES AND PRACTICES OF AGRICULTURE

P515/2

2Hours30Minutes

INSTRUCTIONS TO CANDIDATES

- This paper consists of sections **A,B,C,D&E**.
- Attempt question **1** in section **A** and **four** other questions, selecting **one** from each of the sections **B,C,D** and **E**.
- Any additional question(s) attempted will not be marked.

SECTION A (COMPLUSORY)

1. The table below shows the rate of soil erosion and effects of soil ground cover on a 10% slope of loan soil.

Table 1.

Type of ground cover	Soil removed annually per 1000m ² /Kg	No. of years needed to erode 18cm to soil
Virgin forest	5	500000
Grass	775	3225
Rotation	35800	70
Cotton	79000	32
Bare ground	166000	15

- a) Describe the relationship between the quantity of soil removed annually per 1000m²/Kg and number of years needed to erode 18cm top soil. (4marks)
- b) Explain the difference between Kg/1000M² of soil removed annually for virgin forests and cotton fields. (6marks)
- c) With a reason in each case, state the type of water erosion that occurs in each of the ground cover types above. (5marks)
- d) Suggest measures that can be employed by the farmer to control erosion on a bare ground. (5marks)

SECTION B (CROP PRODUCTION)

2. a) Describe the procedure of making compost manure using the pit method. (10marks)
b) Explain the advantages of using organic manure in crop production (10marks)
3. a) Outline the objectives of primary tillage. (8marks)
b) Explain the factors that determine the number of secondary tillage operations. (12marks)

SECTION C (ANIMAL PRODUCTION)

4. a) What is digestibility (2marks)
b) Explain factors that influence digestibility of feeds (12marks)
c) Explain why allowance is given for extra ingredients during feed formulation. (6marks)
5. a) Explain the factors that make meat unsafe for consumption. (12marks)
b) Outline the qualities of good meat. (8marks)

SECTION D (AGRICULTURAL ECONOMICS)

6. a) State the conditions that make women unable to access agriculture credit. (6marks)
b) Explain what lenders consider before assessing loan application. (10marks)
c) Give four sources of credit for farm use (4marks)
7. a) Describe the bodies involved in marketing agriculture products. (10marks)
b) What are the functions of marketing boards in agriculture development (10marks?)

SECTION E (AGRICULTURAL ENGINEERING)

8. a) Explain the factors considered when selecting draught animals for farm work. (12marks)
b) What factors limit the use of draught animals in some parts of Uganda? (8marks)
9. a) Why are fences important in farm management (10marks)
b) Describe the care given to live fences to improve their efficiency. (10marks)

END