

**P515/2**  
**(Principles and Practices of**  
**Agriculture)**  
**Paper 2**  
**JUL./AUG. 2025**  
**3 hours**



**LUGAZI DIOCESE MOCK EXAMINATIONS BOARD**  
**Uganda Advanced Certificate of Education**  
**Principles and Practices of Agriculture**

**Paper 2**  
**3 hours**

**INSTRUCTIONS TO CANDIDATES:**

*This paper consists of five sections A, B, C, D and E*

*Section A is compulsory.*

*Answer one question from each of the sections A, B, C, D and E*

*Answer five (5) questions in all.*

*Write your answers in the answer booklet(s) provided.*

*Begin answering each question on a fresh page*

*Any additional question(s) answered will not be marked.*

**Turn Over**

**SECTION A**  
**Question 1 is compulsory**

1. Table 1 shows yields in Kilograms per hectare in a year, of the two pasture plant species grown in pure and mixed stands. Study the information and answer the questions that follow.

Type of stand	Pure	Pure	Mixed	
Pasture plant species	Elephant grass	Lab	Elephant grass	Lab
Performance yield (Kgs/ha)	58,624	45,376	64,120	42,228

- (a) (i) Compare the yield performance of each pasture plant species in pure and, mixed stands. (02 marks)
- (ii) Suggest explanations for the performance of each pasture plant species when grown in a mixed stand. (7 ½ marks)
- (b) What would be the effect on the nutritive value of each pasture plant species when grown in a mixed stand? (4 ½ marks)
- (c) What would be the effect of feeding livestock on both elephant grass and lab? (6 marks)

**Turn Over**



**SECTION B (20 MARKS)**

**CROP PRODUCTION**

*Answer one question from this section.*

2. (a) Discuss the effects of weeds on crop production. (08 marks)  
(b) Explain the farming practices that encourage weed infestation. (06 marks)  
(c) Give reasons to explain why farmers' efforts to eradicate weeds have not been very successful. (06 marks)
3. (a) State the qualities of a good seed for planting. (07 marks)  
(b) Give the treatments that can be done to seeds before planting. (03 marks)  
(c) Outline the physiological process that take place during seed germination. (10 marks)

**SECTION C (20 Marks)**

**ANIMAL PRODUCTION**

*Answer one question from this section*

4. (a) Explain the factors that predispose farm animals to disease infections. (07 marks)  
(b) In what ways are pathogens transmitted to farm animals. (07 marks)  
(c) Suggest ways of caring sick farm animals. (06 marks)
5. (a) Explain the factors to be considered when formulating rations for animals. (12 marks)  
(b) Describe the procedure for mixing feeds to make a ration on a farm locally. (04 marks)  
(c) State the challenges of using locally mixed feeds. (04 marks)

**Turn Over**

**SECTION D (20 MARKS)**  
**AGRICULTURAL ENGINEERING**

*Answer one question from this section.*

6. (a) Explain the criteria used to select farm machines. (6 marks)  
(b) Discuss the ways of encouraging mechanization in agricultural production. (09 marks)  
(c) Outline farm operation that can be mechanized. (05 marks)
7. (a) Explain why stores are important on a farm. (09 marks)  
(b) What precautions should be taken to ensure proper storage of farm produce? (06 marks)  
(c) Outline problems faced by farmers in storing farm producer. (05 marks)

**SECTION C (20 MARKS)**  
**AGRICULTURAL ECONOMICS**  
*Answer one question from this section.*

8. (a) Define Agricultural development. (02 marks)  
(b) Explain the role of the government in promoting agricultural development. (12 marks)  
(c) Why are extension workers important in rural agricultural development? (06 marks)
9. (a) Give ways in which farmers acquire land for farming in Uganda. (07 marks)  
(b) Outline the objectives of land reforms in Uganda. (06 marks)  
(c) State the limitations of communal land tenure system in Uganda. (07 marks)

**END**