

**P515/2
PRINCIPLES
AND PRACTICES
OF AGRICULTURE
3 HRS**



UNNASE MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

PRINCIPLES AND PRACTICES OF AGRICULTURE

Paper 2

3 HOURS

INSTRUCTIONS TO CANDIDATES

- *Answer question I in section A and four other questions, selecting one from each of the section B, C, D and E.*
- *Any additional question attempted will not be marked.*

SECTION A (20 Marks)

This section is compulsory

1. The table below shows normal feeding rates for three types of goats A,B and C. For a period of eight weeks.

	Types of goats		
Weeks	A	B	C
1	100g	100g	75g
2	270g	150g	120g
3	290g	205g	155g
4	310g	260g	210g
5	380g	310g	255g
6	450g	360g	300g
7	500g	410g	345g
8	540g	450g	390g

The farmer keeps these goats in the ratio of 15:10:5.

- (i) Calculate the amount of feeds given to goats in the first three weeks. (04marks)
- (ii) A 50kg bag of the feeds cost 50,000=. How much does the farmer need to feed the goats for all the eight weeks? (06 marks)
- (iii) Explain factors that influence feed intake by farm animals. (10 marks)

SECTION B (20 Marks)

*Answer **one** question from this section.*

CROP PRODUCTION

2. (a) Describe the causes of soil acidity. (14 marks)
- (b) What are the problems associated with soil acidity? (06 marks)
3. (a) What are the practices that promote organic agriculture? (06marks)
- (b) Explain the challenges associated with urban farming. (14 marks)

SECTION C (20 Marks)

*Answer **one** question from this section.*

ANIMAL PRODUCTION

4. (a) Explain the environmental problems that may arise due to livestock rearing. (12 marks)
(b) Give the practices that farmers can use to preserve environment when keeping livestock. (08marks)
5. (a) Explain the causes of low breeding efficiency in livestock. (14 marks)
(b) How can a farmer improve breeding efficiency in his farm? (06 marks)

SECTION D (20 MARKS)

*Answer only **one** question from this section.*

AGRICULTURE ENGINEERING

6. (a) Describe the procedure for raising a barbed wire fence. (10 marks)
(b) Describe hot and cold soaking methods of treating fencing posts. (06 marks)
7. (a) Give the objectives for housing farm animals. (10 marks)
(b) Describe the essential components for a commercial dairy unit. (10 mark)

SECTION E (20 MARKS)

*Answer only **one** question from this section.*

ECONOMICS

8. (a) Define the term budget . (02 mark)
(b) How is farm budget important? (06 mark)
(c) What is the procedure of making a complete budget? (12 marks)
9. (a) Give reasons why many co-operative organisations in Uganda collapsed. (10 marks)
(b) Describe the types of co-operative organisations in Uganda. (10 marks)

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