

## S.6 AGRICULTURE HOLIDAY PACKAGE

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

### *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.

Weeks	Types of goats		
	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)

**\*\*\*\* END \*\*\*\***