**P515/2**

**PRINCIPLES**

**AND PRACTICES**

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**Community**

UNNASE MOCK EXAMINATIONS

**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.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **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.

1. Calculate the amount of feeds given to goats in the first three weeks. *(04marks)*
2. 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)*
3. 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 breading 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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