527/1

**PRINCIPLES AND PRACTICES**

**OF AGRICULTURE**

**PAPER 1**

JULY/AUGUST 2016

2½HRS

WESTERN JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

**PRINCIPLES AND PRACTICES**

**OF AGRICULTURE**

**PAPER 1**

2HOURS 30 MINUTES

**INSTRUCTIONS TO CANDIDATES**:

* Answer **all** questions in part **A** and **four** questions in part **B** including atleast **one** question from each section.

**FOR EXAMINERS USE ONLY**

|  |  |  |
| --- | --- | --- |
| **QUESTIONS** | | **MARKS&INITIALS** |
| **PART A** | |  |
| **PART B** | 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 11 |  |
| 12 |  |
| 13 |  |
| 14 |  |
| **TOTAL** | |  |

**PART A (20 MARKS)**

1. (i). Seedlings are transplanted during evening hours mainly to

A. Allow seedlings make enough food before transplanting.

B. Minimise water loss from the plant.

C. Allow roots absorb enough water at night.

D. Allow seedlings adjust to new conditions at night.

(ii). Which one of the following pairs of diseases in plants and animals are caused

by virus?

1. Blight and Anthrax.
2. Leaf spot and Foot & mouth disease.
3. Cassava mosaic and Rinderpest
4. Coffee leaf rust and Mastitis.

(iii). Which one of the following is an advantage of live fences?

1. They take long to establish.
2. Once established they last longer.

C. They are expensive to maintain.

D. They compete with grown crops for growth requirements.

(iv). Which one of the following is a fixed cost in production?

1. Cost of drugs.
2. Payment of casual labour.

C. Cost of planting materials.

D. Interest on borrowed money.

**Fill in the blank spaces.**

2. Outline **four** importances of processing crop products **04mks**

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3. Describe any **five** advantages of using animals as a source of power on the farm.

**5mks** ...................................................................................................................................

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4. Describe any **four** effects of diseases in livestock. **4mks**

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5. Outline any **five** risks in agricultural production. **5mks**

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**PART B (80MARKS)**

Answer **4** questions from all sections including at least **one** question from each section.

**SECTION 1**

**Mechanisation and farm management**

6 (a). Describe the procedure for making a barbed wire fence **10mks**

(b). Describe the importance of fencing in agriculture  **6mks**

(c). Outline the factors that influence the choice of fencing materials  **4mks**

7 (a). What do you understand by the term demand as it applies to agricultural

production? **2mks**

(b). The following is a demand schedule for meat in a given season.

|  |  |
| --- | --- |
| Price per kg (shs) | Amount purchased (kg) |
| 10,000 | 400 |
| 9000 | 550 |
| 8000 | 900 |
| 7000 | 1200 |
| 6000 | 1600 |
| 5000 | 2000 |

Plot the information on a graph paper **6mks**

(c). Explain the factors that influence demand of a given commodity **12mks**

8. (a). Describe the advantages of mechanizing agriculture **10mks**

(b). What are the problems of mechanizing agriculture? **10mks**

**SECTION II**

**Crop Production**

9. (a). Outline the advantages and disadvantages of using fertilizers in crop production.  **8mks**

(b). Explain the factors that influence crop response to fertilizer application. **12mks**

10. (a). Describe the importance of having proper spacing of crops  **6mks**

(b).Explain the factors that influence spacing of crops  **9mks**

(c).Describe the advantages of multiple cropping  **5mks**

11**.** (a).Describe the ways through which diseases can spread in crops. **10mks**

(b). How can disease outbreak and spread be controlled in crops?  **10mks**

**SECTION III**

**Animal production**

12. (a). Describe the objectives of breeding in livestock  **7mks**

(b). Outline the considerations when choosing breeding animals  **5mks**

(c). Describe the advantages of artificial insemination.  **8mks**

13. (a).Explain the factors that influence the quantity of milk produced by a cow. **9mks** (b).Outline the conditions that encourage milk let down **5mks**

(c). Describe the steps carried out to produce good quality milks **6mks**

14 (a). Describe the effects of parasites on livestock production**. 9mks**

(b). Describe the life cycle of a one-host tick  **7mks**

(c). How can ticks be controlled on the farm?  **4mks**

**END**