

WOMEN'S UNIVERSITY IN AFRICA



Addressing gender disparity and fostering equity in University Education

FACULTY OF SOCIAL AND GENDER TRANSFORMATIVE SCIENCES

**DIPLOMA IN EDUCATION SPECIALISING IN EARLY CHILDHOOD
DEVELOPMENT**

MAIN PAPER - THEORY

DECD 324: MAIN SUBJECT - AGRICULTURE

INTAKE 5: THIRD YEAR SECOND SEMESTER

DATE: DECEMBER 2020 TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Answer any **two** questions.
2. All questions carry equal marks.

Question 1

Explain the following terms:

- a) Weathering;
- b) Mixed Farming;
- c) Monoculture;
- d) Soil structure;
- e) Soil texture;
- f) Green manure;
- g) Risk;
- h) Uncertainty;
- i) Marketing;
- j) Breeding;
- k) Fattening ration; and
- l) Dehorning.

Question 2

- a) For a named legume crop describe land preparation and planting of the crop. [10]
- b) Discuss the functions of the following major plant nutrients in crop production:
 - (i) Nitrogen;
 - (ii) Phosphorus; and
 - (iii) Potassium. [9]
- c) Describe the effects of deficiency for each of the above nutrients in plant growth. [6]

Question 3

- a) Explore the advantages and disadvantages of intensive production systems in broiler production. [10]
- b) Outline the life cycle of a named external parasite of farm livestock. [8]
- c) Describe methods of preventing and controlling the parasite. [7]

Question 4

- a) With the aid of a diagram, describe how the four stroke engine functions. [15]
- b) Explain precautionary measures and checks that a tractor driver should ensure before starting the engine. [10]

Question 5

- a) 'Farmers should add value to their products.' Discuss. [15]
- b) Explain the importance of the following aspects in marketing of agricultural products:
 - (i) Packaging;
 - (ii) Distribution;
 - (iii) Communication;
 - (iv) Pricing; and
 - (v) Record keeping. [10]

END