



**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

**2021/2022 ACADEMIC YEAR (REGULAR)
FIRST YEAR FIRST SEMESTER EXAMINATIONS**

**MAIN EXAMINATIONS FOR THE CERTIFICATE OF
CERTIFICATE IN GENERAL AGRICULTURE**

COURSE CODE: DAG 061

COURSE TITLE: AGRICULTURE ECONOMICS

DATE: 22ND APRIL, 2022

TIME: 12-2PM

INSTRUCTIONS TO STUDENTS

Answer all questions in section A

Answer any TWO questions in section B

Total Marks= 70

MMUST observes ZERO tolerance to examination cheating

SECTION A: 30 MARKS (Attempt all Questions)

1. Define the following terms as used in agriculture economics **(10 marks)**
 - (a) Opportunity cost
 - (b) Scarcity
 - (c) Agriculture economics
 - (d) Utility
 - (e) Entrepreneurship
2. With an aid of a diagram, discuss price depreciation in a free market **(10marks)**
3. State and explain forms of utility **(10marks)**

SECTION B: ANSWER ANY TWO QUESTIONS (40MARKS)

4. Discuss the following types of elasticity of demand **(20marks)**
 - (a) Price elasticity
 - (b) Income Elasticity
 - (c) Cross elasticity
5. State and explain the factors of production **(20marks)**
6. Discuss by giving examples FIVE general characteristics of Agricultural production **(20marks)**

SECTION A (30mks)

1 a) Define the following terms as used in animal Health (4mks)

- i) Necropsy
- ii) Virulence
- iii) Diagnosis
- iv) Resolution

b) State and explain **THREE** methods of disease diagnosis (6mks)

2. a). Explain two types of recovery (2mks)

b) Differentiate clinical examination from histological examination (2mks)

c) Explain **FOUR** Ways of disease control (4mks)

3 a) State the causal organism for the following diseases. (2mks)

- i) Anaplasmosis
- ii) Anthrax
- iii) Foot and mouth disease
- iv) Rabies

b) Discuss East Coast Fever under the following sub headings (8mks)

- i) Transmission
- ii) Signs
- iii) Diagnosis
- iii) Treatment and control

4. List **Two** rickettsial diseases that affect Cattle (2mks)

SECTION B(40MKS)

6. Discuss Anaplasmosis under the following Sub headings (20mks)

- i) Vector
- ii) Causal organism
- iii) Signs
- iv) Treatment
- v. Control

7. Discuss Ketosis under the following subheadings

(20mks)

i) Definition

ii) Etiology

iii) Signs

iv) Prevention

v) Treatment

8. Discuss Anthrax under following sub headings

(20mks)

i). Prevalence

ii). Causes

iii). Transmission

iv). Signs

v). Treatment and control