



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

THIRD YEAR FIRST SEMESTER EXAMINATION

**FOR THE DEGREE
OF
AGRICULTURE EXTENSION AND EDUCATION**

ODEL

COURSE CODE: AEC 482

COURSE TITLE: AGRICULTURAL PRODUCTION ECONOMICS

DATE: 18/4/2024

TIME: 12-2 PM

INSTRUCTION TO CANDIDATES

Question ONE (1) is compulsory

Answer THREE (3) questions

TIME: 2 hours

MMUST observes ZERO tolerance to examination cheating

This paper consists of 2 printed pages. Please Turn Over

SECTION A (40 MARKS) COMPULSORY

QUESTION ONE

- a) List five types of commodities used in agricultural production (5 mks)
- b) Explain five ways of expressing production (5 mks)
- c) State four goals of agricultural production economics (4 mks)
- d) Outline four roles of economics in agricultural production (4 mks)
- e) Give the meaning of the following agricultural production economic concepts
 - i. Variable (2mks)
 - ii. Co-efficient (2 mks)
 - iii. Resources (2 mks)
- f) Mention four implications of cost to a farmer (4 mks)

SECTION B (30 MKS) ANSWER ANY TWO QUESTIONS FROM THIS SECTION

QUESTION TWO

- a) Explain with illustrations the following concepts
 - i. Iso revenue hire (4 mks)
 - ii. Competitive product (4 mks)
 - iii. Complementary product (4 mks)
- b) Explain four ways of expressing production function (4 mks)

QUESTION THREE

- a) With the aid of tables and graphs differentiate between the laws of increasing and decreasing returns (16 mks)
- b) Explain with examples the concept of short run and long run period of time in the production process (4 mks)

QUESTIONS FOUR

- a) List ten (10) features of agricultural production that distinguish it from industrial production. Discuss any five (5) of them. (15 mks)
- b) Explain five usefulness of production function (5mks)