



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**FACULTY OF AGRICULTURAL SCIENCES**

**DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION**

**2023\_2 EXAMINATIONS**

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**Programme: 1. Agricultural Extension and Management**

**2. Agricultural Economics and Agribusiness**

**Course Title: Agricultural Production Economics and Resources Management**

**Course code: AEM403/AEA303**

**Time Allowed: 2 Hours**

**Instruction: Answer any 4 questions only**

**Question 1**

- a. Briefly discuss the following concepts of economics:
  - (i) Resource
  - (ii) Scarcity
  - (iii) Opportunity cost
- b. When is a problem said to be an economic problem? Give example

**Question 2**

- a. Briefly explain production
- b. Discuss the following types of product substitution:
  - i. competitive products
  - ii. supplementary products
  - iii. joint product

**Question 3**

- A. What is a production function?
- B. Explain 3 possibilities of a production function in a short run period in production process
- C. Discuss 2 characteristics each of the 4 factors of production

**Question 4**

- a. Discuss the following types of cost (include the algebraic function of each type):
  - i. Total Cost
  - ii. Total Variable Cost
  - iii. Average Variable Cost
  - iv. Marginal Cost
- b. Discuss the production possibility curve

**Question 5**

- a. State 3 properties of an isoquant
- b. Define revenue
- c. Explain the following types of revenue
  - i. Total revenue
  - ii. Average revenue
  - iii. Marginal revenue