



NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, NNAMDI AZIKIWE EXPRESS WAY,
PLOT 91, CADASTRAL ZONE, JABI ABUJA
FACULTY OF AGRICULTURAL SCIENCES,
DEPT. OF AGRICULTURAL ECONOMICS AND EXTENSION.
2020_2 EXAMINATION ...

Programme: Agricultural Economics and Agribusiness

Course Title: Agricultural Production Economics

Course code: AEA 303

Credit Unit: 2

Time Allowed: 2 Hours

INSTRUCTION:

Answer Compulsory question 1 (25 marks) and any 3 other questions (15 marks each).

1. a. i } State six (6) uses of economics in agriculture. (10 marks)
ii) State two (2) major goals of production economics (2marks)
iii) What is agricultural economics? (3 marks)

- b. State three (3) special features of linear function. (5 marks)

- c. State the implicit production function of a product- product relationship (5 marks)

2. a. Explain the following?
i) Agricultural cost. (5marks)
ii) Cost of production. (4marks)

- b. Itemize three relevance of cost to a farmer. (6marks)

3. Explain the meaning of the following concepts:
(i) Isoquants
(ii) Isocost line
(iii) Production possibility curve (15marks)

4. a What is the meaning of the following concepts ?

- i. Isoquant (4 marks)
- ii. Marginal Rate of Technical Substitution (4 marks)
- iii. Elasticity of Input Substitution (4 marks)
- iv. Isocost line (3 marks)

5 a. Determine the state of elasticity at the three stages of production. (10 marks)

b Explain product-product relationship (5marks)

6 Define the following:

- i) Resources (3 marks)
- ii) Fixed Resources (3 marks)
- iii) Variable Resources (3 marks)
- iv) Flow Resources (3 marks)
- v) Stock Resources (3 marks)