



**NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, NNAMDI AZIKIKWE EXPRESSWAY,
PLOT 91, CADASTRAL ZONE, JABI ABUJA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION
FIRST SEMESTER POP EXAMINATION QUESTION, 2019**

COURSE CODE: AEM508

COURSE TITLE: TECHNOLOGICAL AND SOCIAL CHANGE IN AGRICULTURE

CREDIT UNITS: (2 UNITS)

TIME ALLOWED: 2 HRS

INSTRUCTION: ANSWER QUESTIONS 1 (25 MKS) AND ANY OTHER THREE (15 MKS)

QUESTION ONE

- 1a. Define Technology (3 mks)
- b. What is Indigenous Technology? (5 mks)
- c. List and Explain the three (3) major sources of Social Change to a particular society (6mks)
- d. Define the term “Technology Transfer” (3 mks)
- e. In one sentence in each case, state what is meant by:
 - i. Autonomy
 - ii. Beneficence
 - iii. Non-maleficence
 - iv. Justice (8 mks)

QUESTION TWO

- 2a. Outline and discuss four (4) different forms in which Social Change can manifest (10 mks)
- b. Identify five (5) principles guiding research in where Farm Mechanization is concerned (5 mks)

QUESTION THREE

- 3a. Briefly explained the following terms;
 - i. Unplanned change
 - ii. Segmental change
 - iii. Planned change
 - iv. Immanent change (10 mks)
- b. Give a comprehensive definition of Rural Development (2 mks)
- c. State the purpose of Extension in Rural Development (3 mks)

QUESTION FOUR

- 4a. State five (5) factors capable of influencing change in the society (10 mks)
- b. Itemize five (5) principles of Agricultural Extension (5 mks)

QUESTION FIVE

- 5a. Write short notes on how Technology of the 20th Century has improved over what it used to be in the old days in the areas of;
 - i. Transportation
 - ii. Health
 - iii. Preservation of food
 - iv. Education
 - v. Communication (10 mks)
- b. Briefly Explain;
 - i. Time – Span of change (2 ½ mks)
 - ii. Effect of change (2 ½ mks)

QUESTION SIX

- 6a. Advance four (4) major objectives of Extension to the farmer (8 mks)
- b. Identify and Discuss any two (2) major factors that could lead to failure of technology transferred from one place to another (4 mks)
- c. Categorize by listing any three (3) factors that can affect the introduction of new technology (3 mks)