



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

*University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja*  
**Faculty of Agricultural Sciences, Dept. of Agricultural Economics and Extension,**  
*PoP Examination Questions, 2021 Academic Session*

**Course Title: Technological and Social Change in Agriculture**

**Course Code: AEM508**

**Credit Unit: 2 Units**

**Total Score: 70 Marks**

**Time Allowed: 2 Hrs**

**INSTRUCTION: Answer Three Questions.**

### **QUESTION ONE**

- a. Concisely explain the concept of indigenous technology and the factors needed to be taking into consideration in the course of developing technology (6 mks)
- b. Technology has brought about changes in different spheres of human endeavor. In this regard analyze as it were in the past, how technology has improved;
  - i. Housing (4 mks)
  - ii. Health (4 mks)
- c. Succinctly explain five (5) different ways social change which take place in our community can manifest as (10 mks)

### **QUESTION TWO**

- a. Define the word "Stigma" (3 mks)
- b. Extensively explain the influence of technological change on agricultural productivity. (6 mks)
- c. Define Rural Development and explain the importance of rural development to the rural man (7 mks)
- d. Explain the place of research in an Agricultural Extension programme (7 mks)

### **QUESTION THREE**

- a. The establishment of Agricultural Extension is to achieve certain objectives. Identify any four (4) of the objectives. (6 mks)
- b. According to Rick Maurer people resist change because of lack of information. As a Manager, suggest five (5) ways or best tactic on how to manage the change to make them to accept it. (10 mks)
- c. In one sentence in each case, List and explain four (4) major ethical issues associated with the use of technologies with various categories of people (7mks)

### **QUESTION FOUR**

- a. State four (4) important principles of consideration in designing farm implements for agricultural mechanization in Nigeria (8 mks)

- b. The willingness of a farmer to accept or reject an innovation is dependent on the characteristics possessed by the innovation. Discuss any five (5) of these influencing characteristics **(10 mks)**
- c. Following three (3) process, describe how a change agent can reduce negative forces and get his innovation/change introduced to the people of a society. (5 mks)