



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION
2025_2 EXAMINATIONS

Course Code: AEM508
Course Title: **Technological and Social Change in Agriculture**
Credit Unit: 2
Total Score: 70 Marks
Instruction: Answer Question 1(30 marks) and any other 2 questions (20 marks)
Time Allowed: 2 hours.

- 1a. Explain Kurt-Lewis strategy of reducing resistance to innovation. (4marks)
- 1b. List (3) ethical issues of technology use among rural farmers. (3marks)
- 1c. Outline 4 rules guiding technology transfer in extension service. (4marks)
- 1d. Explain three(3) sources of social change in the society. (9marks)
- 1e. Explain the term, “Agricultural Engineering”. (4marks)
- 1f. Discuss two (2) forms of resistance to technological change by rural farmers. (6marks)

- 2a. Highlight three (3) effects of technological change in communication on agricultural production.(3marks)
- 2b. Explain 3 factors determining the magnitude of change in rural areas. (6marks)
- 2c. Outline five (5) tips to apply in effectively managing technological change. (5marks)
- 2d. State four (4) hypotheses that guide effective extension delivery. (4marks)
- 2e. Highlight 2 effects of technological change in communication on agricultural production.(2marks)

- 3a. Outline 5 principles of a successful technological change management.(5marks)
- 3b. Mention 2 categories of factors that affect introduction of a new technology. (2marks)
- 3c. State 4 important lessons that guide practitioners of innovation transfer .(4marks)
- 3d. Explain the term, “ Indigenous technology. (3marks)
- 3e. Explain three(3) sources of social change in society. (6marks)

- 4a. outline two (2) lessons from Indian collaborative approach in improving agricultural mechanization. (4marks)
- 4b. Outline three (3) functions of an extension agent in a technology transfer process.(3marks)
- 4b. Write short notes on “Segmental change” (4marks)
- 4d Explain the provider-related factor in introducing change in agriculture (4marks)
- 4e. State 5 principles of extension service delivery (5marks)