



NATIONAL OPEN UNIVERSITY OF NIGERIA
Faculty of Agricultural Sciences,
Dept. of Agricultural Economics and Extension,
2020_2 Examination

Course Title: Technological and Social Change in Agriculture

Course Code: AEM508

Credit Unit: 2

Total Score: 70

Time Allowed: 2 Hrs

INSTRUCTION: Answer compulsory question 1 (25 marks) and any other 3 questions (15 marks each).

QUESTION ONE

- Briefly discuss the term 'Technology Transfer' (3mks)
- Agricultural tools that are of indigenous technology are used for agricultural production. State five (5) needs for the tools. (5mks).
- What do you understand as Time Span of Change? (5mks)
- Explain any four (4) principles of research guiding the production of farm machines and implements. (6mks)
- What is Rural Development? (6mks)

QUESTION TWO

- Mention any four (4) of the factors that are capable of affecting the introduction of new technology in a particular community. (4mks)
- Enumerate any four (4) major objectives agricultural extension is designed to achieve. (6mks)
- What do you understand by Extension Education? (5mks)

QUESTION THREE

- a. As a potential Agricultural Extension Officer going out to manage change amongst a group of Community people, state four (4) tips or ways of how you can manage the change being advanced to the community people. (6mks).
- b. Briefly discuss any two (2) factors that could be responsible for technology transfer failure in our community (4mks)
- c. Mention any five (5) roles expected of an Extension Agent in Agricultural Development (5mks)

QUESTION FOUR

- a. Define 'Stigma' (3mks)
- b. Describe the four (4) processes that lead to building stigma on someone in a particular social system. (6mks)
- c. State any six (6) functions of the Extension Agents in Technology Transfer to clients or people of a community. (6mks)

QUESTION FIVE

Explain in not less than three (3) different ways in each case, how modern technology has influenced or brought about change in the following areas of life:

- a. Technological Changes in Transportation (4 mks)
- b. Technological Changes in Communication (4 mks)
- c. Technological Changes in Shelter/housing (4 mks)
- d. Briefly explain any three (3) anti-resistance tactics that can be applied by the change agent in the course of passing change to the community people. (3mks)

QUESTION SIX

- a. Mention Two (2) sources of external and internal change to a social system. (2mk)
- b. Define Technology (2mks)
- c. Define Indigenous Technology (3mks)
- d. Social change can manifest or occur in various forms. Discuss four (4) of these forms. (8mks)