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FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF AGRICULTURAL EXTENSION
2017/2018 RAIN SEMESTER EXAMINATION

TITLE: TECHNOLOGICAL AND SOCIAL CHANGE IN AGRICULTURE
CODE: AEX 504
INSTRUCTION: ATTEMPT ANY 5 QUESTIONS IN ALL AT LEAST ONE QUESTION FROM EACH SECTION AND 2 OTHER QUESTIONS.
TIME: 3 hrs

SECTION A

1. a. Explain and clarify the concepts of **Technological** and **Social Change**
b. To what extent is **Culture** a significant determinant of the process of Technological and Social Change in a typical social system? Explain with examples.
2. a. **Change Accelerators** and **Inhibitors** are common place and often identified in all change processes and particularly, in Technological and Social Change in Agriculture. Discuss with any 3 examples for each.
b. The rate at which a society changes and the magnitude of changes at any particular time varies from society to society depending upon a number of factors. Discuss with any 4 reasons for or against.
3. a. What do you understand by **Social Values**?
b. Explain any 4 areas of Technological Change in Agriculture and carefully prove with reasons that **Social Values** have significant effects on Technological and social change process.

SECTION B

4. a. Explain the terms Sustainability and Sustainable Agricultural emphasizing the salient features of sustainable agricultural Development.
b. Discuss the indices you would use to measure sustainability in Agricultural Development and Highlight the problem(s) of sustainable Agricultural development if any.
c. Relating to real life situation, show your understanding of the following
(i) Structured and unstructured observation
(ii) Super Imposed Trials and Support of research agencies Research Station
(iii) Interativeness and Dynamism (iv) Responsiveness to Society and Interdisciplinarity
(v) Natural Sequence of activities in FSR/D
d. With aid of a diagram, Explain the ideal linkage role of Extension with research and farmers for effective agricultural Development in Nigeria.
5. Pick a typical innovation in Crop production and explain how you generate, develop and Transfer the innovation
b. What do you understand by the term "System". Using a schema, discuss Technology Dissemination process as a System
c. The Central purpose of the Extension service is to provide farmers with the knowledge that will help promote change. Do you agree? Justify your position.
d. Critique the following as they relate to agricultural Development
(i) Six Related but separate concepts of Agricultural development
(ii) Essentials and Accelerators of Agricultural Development

SECTION C

6. a. As a Change agent, is there any need for ethical consideration in the process of introducing change in Agriculture?
b. Why is improvement in agriculture necessary?
c. Some of the strategies designed to develop agriculture failed as a result of certain factors. Explain
7. Describe the efforts made by government recently (from 2011 till date) to develop agriculture.
b. Write short notes on
(1) Norms and its types (2) Status and role (3) Culture relativism
c. What are the characteristics of traditional Agriculture that need to be improved in order to achieve agricultural development?