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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,

2021_2 Examination

Course Title: Technological and Social Change in Agriculture

Course Code: ARD 508

Credit Unit: 2 Units

Total Score: 70 Marks

Time Allowed: 2 Hours

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

1a Mention 4 important elements of effective learning situation. (8 marks)

1bi Name two (2) undesirable influence of introducing agricultural technology in Nigeria (2 marks)

1bii Discuss the two (2) undesirable influences mentioned above of introducing agricultural technology in Nigeria (6 marks)

1ci Rick Maurer identified three levels of resistance to technological or social change; state these levels, noting the reaction of the people at each level; (6 marks)

1cii What tactics will you recommend to manage each level of resistance. (3 marks)

2a Provide three (3) examples each of the following: (2 marks)

- **i.** agricultural technologies;
- **ii.** development communication technologies

2b Write short notes on the following in the context of ethical considerations in technology transfer. (12 marks)

- **i.** Response bias;
- **ii.** Coercion;
- **iii.** Stigma;

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iv. Risk

3a Enumerate the characteristics of farm innovations (7.5 marks)

3b Effective technology transfer is guided by rules. State six (6) of these (7.5 marks)

4a Enumerate and discuss the general concerns of Social Change Theories (7.5 marks)

4b The rate at which society changes and the magnitude of change depends on several characteristics of the society. Discuss any five (5) of these (7.5 marks)

5a What is an Indigenous Technology? (5 marks)

5b Discuss any five (5) characteristics of an innovation that impacts on its adoption (10 marks)

6a Social changes observed in Nigeria are traced to several factors. State and discuss six (6) of such factors (6 marks)

6b Distinguish between the following concepts: (9 marks)

i. Planned and unplanned change

ii. Total and segmented change

iii. Immanent and contact change

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