



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF AGRICULTURAL ECONOMICS AND EXTENSION
KM 4, KADUNA ZARIA ROAD, KADUNA
POP EXAMINATION 2021

Course: ARD302: Extension Teaching, Learning Processing and Methods
Credit Unit: 3
Level: 300
Time Allowed: 3hrs
Instructions: Answer any four (4) questions. All questions carry equal marks.

1. a) Outline and discuss six (6) principles guiding effective extension teaching, therefore differentiating it from non-extension work (12marks).
b) Mention 2 merits and 3 demerits of extension teaching (5.5 marks)
2. a) Expatriate on 5 factors relating to characteristics that can affect learning in agricultural extension (12.5 marks).
b) Outline any three factors that are capable of motivating extension workers in extension organization with special reference to feeling of belongingness to the extension organization and love to the profession (1.5 marks).
c) Expatriate on the concept communication in Agricultural extension (3.5marks).

Total = 12.5 + 1.5 + 3.5 = 17.5 marks

3. a. Certain fundamental conditions are necessary to be met for effective utilization of teaching methods in extension. Explain 3 of these conditions (7.5 marks).
b. Briefly discuss the term message in communication process (2.5 marks).

- c. Outline five (5) characteristics agricultural extension message sent to farmers must possess in extension (75marks)
- 4 a) Analyze 5 steps in communication process in extension according to Kelsey and Hearne (1995) (10 marks).
- b). Explain any 5 characteristics that are common to all good instructional materials in extension (7.5 marks).
- 5 a) As an extensionist or extension teacher, mention and discuss four (4) major steps to follow in preparing for the utilization of instructional materials in agricultural extension (10 marks).
- b) Write short notes on any three (3) of the following:
 - i. Mutual discussion
 - ii. Representational visual aids
 - iii. Newspapers
 - iv. Receiver as an element of communication