



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**2020\_1 EXAMINATION**

Course: ARD302: Extension Teaching, Learning Processing and Methods  
Credit Unit: 3  
Level: 300  
Time Allowed: 3hrs  
Instructions: Answer question one (1) which is compulsory. Attempt any four (4) questions which carry equal marks.

1.
  - (a) Define the term teaching in agricultural extension (2.5 marks).
  - (b) Discuss five (5) implications of teaching process for extension work (10marks)
  - (c) There are several major ways by which learning takes place in individuals. Identify and discuss five fundamental ways by which they can take place for effective learning (12.5 marks).
  - (d) Differentiate between projected and non-projected instructional materials (5marks).
2.
  - (a) What do you understand by method demonstration? (2.5 marks).
  - (b) Mention five (5) significance of method demonstration in agricultural extension (5 marks).
  - (c) Explain the concept of chalkboard as instructional material in extension (2.5marks)
3.
  - (a) What do you understand by mass communication in extension? (2 marks).
  - (b) What are mass media institutions? (2 marks)
  - (c) List and discuss three (3) functions of mass communication in extension (6marks).

4. (a) What are instructional materials? (2 marks).
- (b) Explain five (5) importance of instructional materials in agricultural extension (7.5marks).
5. Identify and discuss four (4) principal factors which encourage adult farmers to learn best in extension (10 marks).
6. (a) Mention and discuss three (3) areas in which instructional aids can be used in agricultural extension lesson (7.5 marks).
- (b) Explain why extension teacher should improvise instructional aids in agricultural extension lesson (2.5 marks).
7. Write short notes on any four (4) of the following:
  - i. Interpersonal communication
  - ii. Incorrect message content
  - iii. Specimens and objects
  - iv. Empathy
  - v. Channel as an element of communication
  - vi. Noise as a barrier in communication process.