

**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**SECOND SEMESTER EXAMINATION**  
**JANUARY/FEBRUARY, 2018**

**Programme: Agricultural Extension and Management**

**Course: AEM302: Extension Teaching, Learning Process and Methods.**

**Credit Unit: 3**

**Level: 300 Level**

**Time Allowed: 3 hours.**

**INSTRUCTIONS: Answer question one (1) which is compulsory which is 30 marks.**  
**Attempt any four questions which carry equal marks of 10 each**

1.
  - (a) What do you understand by extension teaching? (2 marks).
  - (b) Identify and discuss five principles of extension teaching (7.5 marks).
  - (c) There are several logical steps in teaching. List and discuss five steps to be followed in extension instructional approaches. (12.5 marks).
  - (d) What is transfer of learning in extension? (3 marks).
  - (e) Enumerate and discuss three essential factors in adult learning (5 marks).
2.
  - (a) Explain the term learning (2 marks).
  - (b) There are several ways by which learning takes place in individuals. Identify six major ways by which we learn in extension and discuss five of them (8 marks).
3. List and expatiate five major principles of learning in extension (10 marks).
4.
  - (a) Identify five (5) considerable factors in motivating extension workers (2.5 Marks)
  - (b) Define extension teaching methods (2 marks).
  - (c) Mention four (4) conditions necessary for effective utilization of teaching methods and discuss three of them (5.5 marks).
5.
  - (a) What you understand by result demonstration in extension? (2.5 marks)
  - (b) Define mass media methods and list three (3) methods under mass media classification (4 marks).
  - (c) Discuss any one method above in b (3.5 marks).
6.
  - (a) What do you understand by communication in agricultural extension? (3 marks)
  - (b) Identify six essential elements in communication process in extension (3 marks).
  - (c) Discuss two (2) of the above elements in b (4 marks).
7. Write short notes on any four (4) of the followings:
  - i. Instructional materials
  - ii. General meetings
  - iii. Method demonstration
  - iv. Improvisation of instructional materials in agricultural extension
  - v. The chalkboard
  - vi. Intrinsic motivation.

\* Any 4 clearly discuss with examples 2.5 marks each x 4 = 10 marks.