



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**THIRD YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR
THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURAL
EDUCATION & EXTENSION**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AEE 3321

COURSE TITLE: AGRICULTURAL EXTENSION AND TECHNOLOGY TRANSFER

EXAM VENUE:

STREAM: BSc. AGED and

BSc. Animal Science

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A [30 MARKS]

Answer ALL questions from this Section.

1. Define or explain the following terms as used in agricultural education and extension in Kenya.
 - a) Agricultural extension [5 marks]
 - b) Extension service [4 marks]
2. Differentiate between the following extension concepts.
 - a) Adaption and Adoption [4 marks]
 - b) Principle of participation and principle of leadership [6 marks]
3. What are the favorable and the unfavorable aspects of Transfer of Technology (TOT) extension model? [5 marks]
4. Discuss briefly the central task of agricultural extension service in Kenya. [5 marks]

SECTION B: [40 Marks]

Answer ANY TWO questions from this Section.

5. Information and Communication Technologies (ICTs) are considered critical for advancement of public sector agricultural extension systems. With specific examples, discuss how any three ICT tools can be used to enhance improvement of agricultural education and extension services in Kenya. [20 marks]
6.
 - a) Explain giving examples, how the attributes of an agricultural technology can facilitate or impede its adoption by farmers. [15 marks]
 - b) Enumerate the elements of diffusion [5 marks]
7. Extension methods may be classified in three groups on the basis of the number of people they are designed to reach.
 - a) Mention the three different classes citing one advantage and one disadvantage of each. [10 marks]
 - b) Discuss briefly the factors that would determine the choice of an extension methodology. [10 marks]

