



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN HORTICULTURE
2016/2017 ACADEMIC YEAR
REGULAR

COURSE CODE: AEE 3321

COURSE TITLE: AGRICULTURAL EXTENSION AND TECHNOLOGY TRANSFER

EXAM VENUE: LR 5

STREAM: BSc. (Horticulture)

DATE: 23/12/16

EXAM SESSION: 9.00 – 11.00 AM

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 the following terms with examples
a. Innovation (2 Marks)
b. Over-adoption (2 Marks)
2. Differentiate between the following
a. Agricultural extension and extension service (4 Marks)
b. Innovation and Innovativeness (4 Marks)
c. Method demonstration and result demonstration (4 Marks)
3. Explain
a) The four operational principles of extension (6 Marks)
b) Rate of adoption and how it is measured (4 Marks)
4. Discuss with relevant examples the role of mass media in agricultural technology transfer (4 Marks)

SECTION B [40 Marks]

Answer ANY TWO questions

5a) On your new posting to Kiplogei Ward, you noticed that an innovation with 'presumed' good attributes is not adopted by majority of farmers. What could be cause of this?
(15 Marks)

b) Briefly, discuss two main strengths of carrying out demonstrations in extension teaching.
(5 Marks)

6. Based on innovativeness, the adopters can be classified into different categories.

- a) State the categories (5 Marks)
- b) Write short notes on key characteristics of the second category (10 Marks)
- c) Of what importance is the classification to and extension worker? (5 Marks)

7 a) Briefly discuss with relevant examples the five determinants of rate of adoption of agricultural technologies. [15 Marks]

b). Mention any four challenges impacting on agricultural extension globally (5 marks)