



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**SECOND YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT**

2018/2019 ACADEMIC YEAR

REGULAR

COURSE CODE: AAE 3211

COURSE TITLE: EXTENSION METHODS AND COMMUNITY OUTREACH

EXAM VENUE: STREAM: BSc. (Agribusiness Management)

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. a) Define the term agricultural extension. **(2 Marks)**
b) Briefly explain the contributions of agricultural extension to development. **(4 Marks)**
2. Explain the historical development of extension since 1960's **(8 Marks)**
3. a) Explain training and visit and Group extension methodologies **(6 Marks)**
b) State four advantages of ICT in agricultural extension in Kenya. **(4 Marks)**
4. Identify and briefly discuss the elements of diffusion. **(6 Marks)**

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section

5. a) Explain rate of adoption? **(5 Marks)**
b) Discuss the variables that determine the rate of adoption of innovations. **(15 Marks)**
- 7 a) Discuss the relevance of Farmer Field School as an extension approach in Kenya. **(10 Marks)**
b) Enumerate the key steps in establishing farmer field school using group approach. **(10 marks)**
- 8 a) What do you understand by participatory extension method/approach? **(4 marks)**
b) Mention any three group extension methods you are familiar with. **(6 marks)**
c) Discuss reasons why participatory extension approaches have gained importance in the last two decades. **(10 Marks)**
9. a) Discuss the competencies needed by the extension agent for effective communication of extension messages. **(12 marks)**
b) Explain four operational principles of extension. **(8 Marks)**