



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

**SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**FISRT YEAR SECOND SEMESTER EXAMINATION FOR THE  
DEGREE OF  
MASTER OF SCIENCE IN AGRICULTURAL EXTENSION  
2016/2017 ACADEMIC YEAR**

**REGULAR**

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**COURSE CODE: AEE 5111**

**COURSE TITLE: THEORY AND HEORY AND PRACTICE OF EXTENSION**

**EXAM VENUE:**

**STREAM: MSC. AGRIC EXT.**

**DATE:**

**EXAM SESSION:**

**TIME: 3 HOURS**

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**Instructions:**

- 1. Answer question ONE ( COMPULSORY) and ANY other TWO (2) Questions**
- 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.**

Q1. Using examples explain the following terms as used in Extension:

- a. Agricultural Extension
- b. Paternalistic and participatory approaches
- c. Bottom up and top down approaches
- d. Agricultural knowledge triangle
- e. Pluralistic Extension
- f. Privatization of extension knowledge
- g. Commodification of extension knowledge
- h. Demand- driven Extension
- i. AKAP sequence
- j. Decentralization of extension

**( 20 marks)**

Q2 i) Explain the process of Farmer Field Schools as a methodology in extension

**(10 marks)**

ii) Explain the concept of University based extension system

**(10 marks)**

Q3. a) Briefly explain the eight (8) main extension approaches according to George Axinn

**(20 marks)**

Q4. Explain factors affecting public extension services in the developing countries.

**(20 Marks)**

**Q5** Explain five (5) factors affecting technology transfer

**(20 Marks)**