



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION
FIRST YEAR SECOND SEMESTER 2017/2018 ACADEMIC YEAR**

REGULAR

COURSE CODE: AEE 3211

COURSE TITLE: EXTENSION APPROACHES AND METHODS

**VENUE; STREAM: BSc. AGRICULTURE EDUCATION &
EXTENSION**

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer ALL question in Section A (compulsory) and ANY other TWO questions in Section B.**
- 2. Candidates are advised not to write on the 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. (i) Define the term agricultural extension. (2 Marks)
- (ii) Briefly explain the contributions of agriculture extension to development. (3 Marks)
- (iii) Explain the historical development of extension since 1960's. (5 Marks)
2. For agriculture extension to be effective in addressing farming and food security there is need to understand social issues and the social nature of farming and technology adoption.
 - (i) State and briefly explain **THREE** social principles of agricultural extension. (6 Marks)
 - (ii) State and briefly explain **FOUR** reasons why a farmer would choose not to adopt a technology. (4 Marks)
3. (i) Outline the key features of **Training and Visit** agricultural extension model. (6 Marks)
- (ii) Technical publications produced by extension service providers should present their information in a comprehensive form. What are the **FOUR** factors that establish comprehensiveness? (4 Marks)

SECTION B = 40 Marks; Answer ANY TWO Questions from this section.

4. Mass Media has a great influence over peoples thought and actions but they seldom bring about changes in behavior due the selective nature sender and receivers employ when using them.
 - (i) Briefly discuss the **ROLE** of mass media in promoting change in agriculture. (6 Marks)
 - (ii) State and explain **FOUR** selective aspects of Mass media and how they impact on their effectiveness. (8 Marks)
 - (iii) Briefly discuss the limitations of using print and electronic media to convey extension message in the rural areas. (6 Marks)
5. The Farmer Field School (FFS) approach is an innovative, participatory and interactive learning approach that emphasizes problem solving and discovery based learning..

- (i) Outline **FOUR** characteristics of a Farmer Field School. **(4 Marks)**
- (ii) Differentiate between Farmer Field schools and conventional Training and Visit extension model. **(6 Marks)**
- (iii) A local women group has been funded by the Siaya County government to establish dairy goat Farmer Field School (FFS). By the use of classical approach explain how you are going to establish and conduct the Farmer Field School. **(10 Marks)**
6. A group facilitator is a person who moderates a participatory learning process and ensures effective flow of information within a group so that participants can share information and arrive at a decision.
- (i) Differentiate between teaching and facilitating. **(8 Marks)**
- (ii) Discuss **FOUR** key skills of a group facilitator in a Farmer field school. **(6 Marks)**
- (iii) Discuss **FOUR** undesirable behaviors of a group facilitator. **(6 Marks)**