



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**FOURTH YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN FOOD SECURITY**

2024/2025 ACADEMIC YEAR

SIAYA

COURSE CODE: AEB 9404

COURSE TITLE: Extension Methods and Community Outreach

EXAM VENUE: Siaya Campus

Stream: BSc. Food Security Y4

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. Differentiate between innovativeness and rate of adoption [8 Marks]
2. Categorize adopters based on their characteristics. [6 Marks]
3. Outline **FOUR** parameters that influence the choice of any agricultural extension approach/method. [8 Marks]
4. Explain any two merits of innovation platform in scaling up agricultural extension messages. [8 Marks]

SECTION B: [40 MARKS]

Answer Any Two Questions from this Section

5. A newly appointed County Director of Agriculture informs you of his intent to empower his extension officers to boost agricultural productivity and improve food security in the county. Discuss **FOUR** key extension principles that guide him achieve the intended goal. [20 marks]
6. a) Explain the **FOUR** critical elements of diffusion process. [10 marks]

b) Outline any **FIVE** competencies that are important for an extension agent's service delivery. [10 marks]
7. As an extensionist, you have been approached by the Director of Catholic Relief Services (CRS) Homa-Bay branch to promote the adoption of iron-rich bio-fortified maize using FFS approach.
 - a). Clearly outline the general steps followed in the establishment of FFS using group approach. [10 marks]
 - b). One of the core principles of FFS approach states that "Knowledge is gained through hands-on learning". Explain how you would apply this principle to facilitate the adoption process. [10 marks]

