

**SPECIFY TYPE OF
EXAMINATION**

FIRST ATTEMPT
FIRST RESIT
SECOND RESIT
RE-TAKE



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES
FIRST YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE
DEGREE OF MASTER OF SCIENCE OF SCIENCE IN AGRICULTURAL
EXTENSION
2022/2023 ACADEMIC YEAR
REGULAR**

COURSE CODE: AEE 3211

COURSE TITLE: THEORY AND PRACTICE OF EXTENSION

EXAM VENUE:

STREAM: MSC. AGRICULTURAL EXTENSION

DATE:

EXAM SESSION:

TIME: 3 HOURS

INSTRUCTIONS:

1. Answer ALL questions in Section A and ANY other three(3) questions in Section B
2. Candidates are advised not write on the question paper
3. Candidates must hand in their answer booklets to the invigilator while in the exam room

SECTION A: 30 MARKS

Answer all questions in this section.

Q1. Briefly Explain the following terms as used in agricultural extension **(5 Marks)**

- a) Pluralism in extension services
- b) Bottom- up and top-down approaches
- c) Agricultural knowledge triangle
- d) Commodification of extension service
- e) Decentralisation of extension.

Q2. Using an example graphically explain the AKAP MODEL as used in agricultural extension **(5 marks)**

Q3. Explain the concept of Value Chain Approach. **(5 marks)**

Q4 Women play an important role in agricultural extension. Explain**(5marks)**

Q5 Explain what you understand by ‘Demand- Driven’ extension. **(5marks)**

Q6. What is the role of ICT in extension services today? **(5 marks)**

SECTION B: 30 Marks

Attempt any three (3) questions in this section. Answers must be precise and concise.

Q7. Briefly explain the following approaches to extension **(10marks)**

- a) Farmer Field Schools (FFS)
- b) University based extension system

Q8. Discuss why public extension is not effective in technology transfer and suggest some solutions **(10marks)**.

Q9. Explain five (5) factors affecting technology transfer **(10marks)**.

Q10. Discuss five (5) principles of agricultural extension **(10marks)**

Q11. Discuss four (4)paradigms of agricultural extension **(10marks)**.

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