



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

**UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND EXTENSION**

FOURTH YEAR SECOND SEMESTER 2017/2018 ACADEMIC YEAR

REGULAR

COURSE CODE: AEE 3421

COURSE TITLE: EVALUATION OF EXTENSION EDUCATION

EXAM VENUE: STREAM: BSc. Agric. Educ. & 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. Define the following terms:
 - a. Evaluation [3 Marks]
 - b. Monitoring [3 Marks]
 - c. Participatory evaluation [4 Marks]
2. Give three main reasons why the agricultural programs are evaluated [5 Marks]
3. Enumerate two major types of evaluation [4 Marks]
4. Briefly discuss four key elements contained in a well written extension program statement. [6 Marks]
5. Briefly explain the five major stages in Evaluation? [5 Marks]

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

6. a). Name the key evaluation types according to three general categories and give one example in each category. [10 Marks]
b). Describe five data collection techniques used in program planning and evaluation? [10 Marks]
7. a). When should program evaluation be conducted? [8 Marks]
b). Explain briefly the six key steps for conducting program/project evaluation. [12 Marks]
8. Explain any five elements of a logic model as used in program evaluation phase? [10 Marks]
b). Why is the logic model used in program evaluation? [10 Marks]

1. Define needs assessment [2 marks]
2. Define Program planning and give an example in your area of specialization [4 marks]
3. Outline the elements of a well written extension program statement. [4 marks]
4. Enumerate the major types of evaluation [4 marks]

5. Outline any four participants in the Summative Evaluation process and indicate the role of any. [5 marks]
6. Give reasons why an extension agent may use a Logic Model in evaluation of an extension program. [6 marks]
7. Briefly discuss any two techniques/tools of data collection [4 marks]
 - i. -----
 - ii. -----
8. What id Reliability [2 marks]

Q1. Using examples, explain what you understand by the following terms as used in M & E

- i. Internal Evaluation
- ii. Evaluation
- iii. Impact evaluation [30 marks]
- iv. Likert scale
- v. Qualitative data
- vi. Open-ended questionnaire
- vii. Placebo Effect
- viii. Performance question
- ix. Expert opinion
- x. Efficiency

SECTION B

Q2. Using examples, graphically explain the concept of Log frame in M&E [20 Marks]

Q3. i. Using examples, explain how you deal with threats to internal validity [10 Marks]

iii. Explain what you understand by change resistance and how you counteract change resistance in the utilization of M&E results?
[5 Marks]

iv. Distinguish between stratified and simple random sampling [5 marks]

Q4. Using a table explain five (5) advantages and 5 disadvantages of using External and Internal evaluators [10 Marks]

What do you understand by the term indicators (Yardsticks)? [5 Marks]

Name the 5 critical steps in developing indicators [5 Marks]

1. Using a named Food security project as an example, explain the following concepts.
 - a. Outcome [5 marks each]
 - b. Impact
 - c. Change resistance as used in M&E results (5 marks]
 - d. How do you counteract change resistance in the utilization of M&E results?