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 2016/2017ACADEMIC YEAR

REGULAR

COURSE CODE: AEE 5213

COURSE TITLE: MONITORING AND EVALUATION IN AGRICULTURAL EXTENSION

EXAM VENUE: **STREAM: MSC. AGRIC EXT.**

DATE: **EXAM SESSION:**

TIME: 3 HOURS

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 difference between the following terms as used in Monitoring and Evaluation:

a. White-out and whitewash
b. Experimental Mortality
c. Ordinal and Interval Scales.
d. Outcome and Impact.
e. Expert opinion and panel interview
f. Gate keepers and Opinion leaders
g. Simple Random Sampling and Purposive Sampling
h. Reliability and validity
i. Questionnaire and participant observation
j. Likert Scale and Guttmann's Ranking order. ***(20 Marks)***

Q2 i) Explain three (3) advantages and three (3) disadvantages of External and Internal Evaluation (***10 Marks)***

ii) How do we counteract change resistance in the utilization of Monitoring and Evaluation findings? ***(10 Marks)***

Q3. a) Explain the following concepts as used in Monitoring and Evaluation

i) Statistical Regression as a threat to internal validity:
ii) Placebo.
iii) Terms of Reference
iv) Snowballing Effect
Feedback in Monitoring ***(10 Marks***

b) Explain Two (2) methods of controlling extraneous variables. **(5 marks)**

c) Explain Two (2) similarities and two (2) differences between Research and Evaluation. ***(5 Marks)***

Q4. a) Graphically explain two types of quasi experimental designs as tools in Monitoring and Evaluation. ***(10 Marks)***

b) Explain two (2) types of non-experimental designs ***(5 Marks)***

c) Explain the following types of experimental designs

i) Before and after control group
ii) Experimental and control group ***(5 Marks)***