

Uganda Martyrs University

Faculty of Agriculture

Final Examination: 2015-2016

Bachelors of Science in Agriculture Year One

Bachelors of Science in Organic Agriculture Year One

Module: AG/04 & OA/04 Research and Extension Methods

Time: 09:30 am – 12:30 pm

Date: Thursday 14th July 2016

Instructions:

- Read and understand the questions before answering
- Answer question 1 and any other 2 questions
- Start each answer on a separate answer sheet

- 1.a) Differentiate between a questionnaire and an interview? **(10 marks)**
 - b. Summarize the key steps in conducting an experiment research **(15 marks)**
- 2.a) What is the difference between qualitative and quantitative research? **(10 marks)**
 - b. What are the different types of variables? **(5 marks)**
 - c. Briefly describe the verification strategies in qualitative research **(10 marks)**
- 3.i) When do you use the following extension methods?
 - a. Individual **(5 marks)**
 - b. Group **(5 marks)**
 - c. Mass methods **(5 marks)**
 - ii. What are the steps taken to prepare for a group discussion meeting? **(10 marks)**
4. Describe how you will address ethical issues in an extension based NGO where you have been sent to do research **(25 marks)**
5. a) Explain a problem statement? **(5 marks)**
 - b) Briefly describe the research process? **(25 marks)**
6. Describe the following terms as used in research
 - a. Data **(5marks)**
 - b. Target population **(5 marks)**
 - c. Sample **(5 marks)**
 - d. A characteristics **(5 marks)**
 - e. Sampling frame **(5 marks)**
7. Discuss the importance of research and its application in agricultural extension **(25 marks)**