

UGANDA MARTYRS UNIVERSITY
FACULTY OF AGRICULTURE

Bachelor of Science in Organic Agriculture (DLP)
Bachelor of Science in Organic Agriculture

Year 1: Special Supplementary Examination: Academic Year 2014/2015
Module AG/OA/04: Research Methods

September 2015

INSTRUCTIONS:

- *Read and understand the question before answering*
- *Select and answer **Four Questions***
- ***Question 1 Section A** is compulsory*
- *Start each answer on a separate answer sheet*
- *You are allowed **Three Hours** for the examination*
- *Do not write anything on a question paper*

Section A

Problem statement

Over the years, our rural farmers depend on indigenous or local knowledge for improved farming system/animal husbandry. Such knowledge (indigenous or local knowledge) refers to skill and experience gained through oral tradition and practice over many generations (Norem, et al., 1988). Acquisition of such primitive skill by our rural farmers (e.g. rural farmers in Nsukka local government area of Enugu State) has not helped to improve agricultural yield. All that is witnessed in our rural agricultural system range from poor farm yield, emergence of new crop and animal diseases; resistant plant weeds and pests that attack farm crops, old farm implements and poor quality fertilizers. Agricultural information are always meant to get to rural farmers via extension workers, community libraries, radio, television, film shows, agricultural pamphlets, state and local government agricultural agencies etc. Rural farmers in their effort to access these agricultural knowledge and information from available sources, for better farming system and improved agricultural yield, are confronted with certain constraints. The present study was therefore designed to identify the constraints which hinder rural farmers in Nsukka local government area of Enugu state from accessing agricultural information for improved crop production and better animal husbandry practice.

Question 1

- i. Outline the problem, causes and effects that prompted the study in question.
- ii. Write three objectives and three research questions which would guide the study above.

- iii. What are the research procedures that would help the researcher achieves his/her objectives?
- iv. Outline the data likely to be collected for each objective?
- v. Give the best title of the study above.

Section B

1. a) Studies have shown that adoption of new technologies is slow. Propose ways to improve the level of adoption by farmers.
b) Distinguish between Rapid Rural Appraisal (RRA) and Participatory Rural Appraisal (PRA).
2. a) Explain the factors to consider when planning a good Result Demonstration. Discuss merits for using group methods for teaching farmers.
b) Every year an Agricultural Show is staged at Jinja Show Grounds. Explain the benefits of having an agricultural show. Discuss the factors to consider when planning for a successful agricultural show.
- 3 a) What competences should an interviewer of unstructured interview have to ensure collection of data?
b) Interviews are very much used in data collection; explain the advantages and disadvantages of interviewing.
4. a) As a student pursuing a degree in agriculture course where a research study will be conducted. What are the important factors to consider when selecting your research Topic?
b) A farm visit is an effective extension method. Explain the Advantages and disadvantages of this mode of extension.
- 5 a) During your research study, what ethical issues are you likely to encounter in relation with the respondents?
b) What do you consider to be good qualities of a good interviewer?
6. Discuss the steps of a research process.
7. a) What are the professional ethics which must be observed by a good researcher?
b) What do you understand by qualitative data analysis? What challenges are usually encountered during this process?

I wish you success