



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER EXAMINATION
FOR THE DEGREE**

OF

MSC IN AGRICULTURAL EXTENSION & RURAL DEVELOPMENT

COURSE CODE: AEX 825

**COURSE TITLE: PROGRAMME PLANNING & ADOPTION OF
INNOVATIONS**

DATE: 19/12/2023

TIME: 8-10 am

INSTRUCTION TO CANDIDATES

Answer **ANY THREE** questions

TIME: 2 hours

MMUST observes ZERO tolerance to examination cheating

This paper consists of 2 printed pages. Please Turn Over

1. The County government decide to post you to extension field to handle all the programmes for both crops and livestock?
 - a) Critically examine the general problems inherent in extension service of current counties bearing in mind its developing levels. (10marks)
 - b) Suggest possible solutions to the problems you have examined (10marks)
2. a) Evaluate extension planning and show how instructional model and planning model compares to and contrast with the community initiated planning (10marks)
 - b) Discuss the competencies required by planners and suggest how extension field workers match to those competencies (10marks)
3. The state of agricultural extension in developing countries is on the decline, however some countries do not have a national extension system while others have an organized extension system.
 - a) Critically examine the general problems inherent in extension-service of developing countries (10marks)
 - b) Suggest possible solutions to the problems you have examined (10marks)
4. Extension activities require mobilization of resources in planning in order to be effective Service;
 - a) Briefly discuss why planning is necessary in development of extension programme (10marks)
 - b) Explain the need for programme evaluation in extension (10marks)
5. Discuss the internal factors which influence the rate of diffusion of a technology through a community. Comment on how these factors can be employed positively in extension. (20marks)
6. Common interest groups are usually set up to assist learning and problem solving. Describe some practical ways of ensuring a discussion group functions successfully (20marks)