



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATION
FOR THE DEGREE
OF
MSC IN AGRICULTURAL EXTENSION & RURAL DEVELOPMENT**

COURSE CODE: AEX 825

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

DATE: 21/04/2022

TIME: 11 AM-1PM

INSTRUCTION TO CANDIDATES

Answer ANY THREE questions

TIME: 2 hours

MMUST observes ZERO tolerance to examination cheating

This paper consists of TWO printed pages. Please Turn Over 

1. a) Define extension and show how instructional model and planning 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)**

2. It is difficult to generalize about the state of agricultural extension in developing countries, however some countries do not have a national extension system while others have an organized extension system. One observation is that not many of these countries have an effective 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)**

3. Extension activities require mobilization of resources in planning in order to be effective
No activity is therefore planned in isolation;
a) Briefly discuss why planning is necessary in development of extension programme **(10marks)**
b) Explain the need for programme evaluation in extension **(10marks)**

4. Discuss the internal factors which influence the rate of diffusion of a technology through a community. Comment on how these factors can be employed in extension. **(20marks)**

5. Discussion groups are usually set up to assist learning and problem solving. Describe some practical ways of ensuring a discussion group functions successfully **(20marks)**