



(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
PhD IN AGRICULTURAL EDUCATION AND EXTENSION**

COURSE CODE: AEX 904

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

DATE: 11/04/2023

TIME: 8-11 PM

INSTRUCTION TO CANDIDATES

Answer **ANY THREE** questions

TIME: 2 hours

MMUST observes ZERO tolerance to examination cheating

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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. Discuss the conditions necessary for adoption of technology to take place in agriculture **(20marks)**