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**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)  
SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND  
TECHNOLOGY (SAVET)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2023/2024 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER  
MAIN EXAMINATIONS**

**FOR THE DEGREE OF MASTER OF SCIENCE  
IN AGRICULTURAL EXTENSION AND RURAL DEVELOPMENT**

**COURSE CODE: AEC 802**

**COURSE TITLE: AGRICULTURAL PROJECT ANALYSIS**

**DATE: 18/12/2023**

**TIME: 2-5 PM**

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**INSTRUCTIONS TO CANDIDATES**

Answer Question ONE and Any other TWO Questions.

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

**SECTION A (30 MARKS)**

- 1. a.) Discuss FIVE factors to consider in the choice of Technology in project implementation. (10 mks)
- b.) Discuss the benefits of Forecasting in project management. (10 mks)
- c.) Differentiate between Risk and Uncertainty. (4mks)
- d.) Define Sensitivity Analysis and State it's Aim. (6 mks)

**SECTION B (40 MARKS)**

- 2. a.) What are Project Externalities (2 mks)
- b.) Discuss FIVE Negative Externalities. (10 mks)
- c.) Discuss FOUR Positive Externalities. (8 mks)
- 3. Describe the FIVE Stages of project cycle. (20 mks)
- 4. a.) Differentiate compounding and discounting. (4 mks)
- b.) Discuss FOUR Methods/Criteria of Project Evaluation. (16 mks)
- 5. Technology options are identified during the initiation phase of a project and the selection of the most competitive technology takes place early in a project, typically during the latter part of prefeasibility; hence the need for a thorough and disciplined selection methodology. Discuss with appropriate illustrations. (20 mks)

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