



**MURANG'A UNIVERSITY OF TECHNOLOGY**  
**SCHOOL OF AGRICULTURE AND ENVIRONMENTAL**  
**SCIENCE**

DEPARTMENT OF AGRICULTURAL STUDIES

ORDINARY UNIVERSITY EXAMINATION

2023/2024 ACADEMIC YEAR

**FIRST YEAR SECOND SEMESTER EXAMINATION FOR MASTER**  
**OF SCIENCE IN AGRICULTURE**

**ACC 605 – CLIMATE RISK MANAGEMENT IN AGRIFOOD SYSTEM**

**DURATION: 3 HOURS**

**INSTRUCTIONS TO CANDIDATES:**

1. Answer any FOUR questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

**QUESTION ONE (25 MARKS)**

Explain the types and sources of the agricultural risks. Give an example for each. (25 marks)

**QUESTION TWO (25 MARKS)**

Describe the climate risk assessment tools applicable in agricultural sector. (25 marks)

**QUESTION THREE (25 MARKS)**

Discuss the challenges and opportunities in monitoring and reporting of climate in the agriculture sector. (25 marks)

**QUESTION FOUR (25 MARKS)**

Using a well labelled diagram, describe the risk management processes in agrifood systems. (25 marks)

**QUESTION FIVE (25 MARKS)**

Explain the sources of agricultural vulnerability and disaster risk information in Kenya. (25 marks)