



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

**MAIN CAMPUS
(MAIN EXAMINATIONS)**

**UNIVERSITY EXAMINATIONS
2021 / 2022 ACADEMIC YEAR**

FIRST YEAR SECOND SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF SCIENCE IN AGRIBUSINESS
MANAGEMENT / AGRICULTURAL ECONOMICS**

COURSE CODE: SES 111

**COURSE TITLE: INTRODUCTION TO ENVIRONMENTAL
SCIENCE / FUNDAMENTALS OF
ENVIRONMENTAL SCIENCE**

DATE: 28/04/2022

TIME: 12-2 PM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and ANY TWO selected from section B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

SECTION A (SHORT ANSWER QUESTIONS, 40 MARKS)

1. Define
 - a. Environmental Science (2 marks)
 - b. Ecosystem (2 marks)
 - c. Biome (2 marks)
 - d. Green house gas effect (2 marks)
2. Distinguish between
 - a. Biotic and abiotic environment (4 marks)
 - b. Detritus feeders and decomposers (4 marks)
 - c. Population and community in an ecosystem (4 marks)
3. Name the two types of ecosystem stability (2 marks)
4. Differentiate point and non-point sources of pollution giving relevant examples of each (4 Marks)
5. Briefly discuss 5 different types of interactions in an ecosystem (10 marks)
6. List four kinds of water pollution (4 marks)

SECTION B (ESSAY QUESTIONS, 30 MARKS)

1. Critically discuss global warming and its impacts. (15 Marks)
2. Discuss in details the concept "Tragedy of the commons" (15 marks)
3. Environmental stress in an ecosystem has effects on the ecosystem. Discuss these effects. (15 marks)