



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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR**

SECOND YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DIPLOMA

IN

WATER TECHNOLOGY

COURSE CODE: DWT 065

COURSE TITLE: ENVIRONMENTAL SCIENCE

DATE: TUESDAY 5TH FEBRUARY 2019 TIME: 3.00PM – 5.00PM

INSTRUCTIONS:

1. This paper contains **FIVE** questions
2. Question **ONE** is **COMPULSORY**
3. Attempt any other **THREE** questions
4. Marks for each question are indicated in the parenthesis.
5. Examination duration is **2 Hours**

MMUST observes **ZERO** tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

Question ONE - Compulsory (25 Marks)

- a. Define the following terms as used in environmental science (5 Marks)
- i. Atmosphere
 - ii. Greenhouse effect
 - iii. Global warming
 - iv. Water pollution
 - v. Environmental stress
- b. State causes and impacts of loss of biodiversity (10 Marks)
- c. Discuss any sustainable actions that can help in achieving sustainable development in developing countries (10 Marks)

Question TWO (15 Marks)

- a. Define the term water pollution (1 Mark)
- b. Briefly explain the two main sources of water pollution (4 Marks)
- c. State causes of water pollution (7 Marks)
- d. Give remedial measures for water pollution (4 Marks)

Question THREE (15 Marks)

Global warming phenomena is one of the global environmental problem facing the world today. Critically examine the phenomena with respect to its occurrence, its potential consequences and possible mitigation measures. (15 Marks)

Question FOUR (15 Marks)

- a. Define food web and further, with the use of a sketch, explain food web as used in environmental science (8 Marks)
- b. Discuss in detail the biotic components of the environment giving any example of each (7 Marks)

Question FIVE (15 Marks)

Explain **THREE** major environmental issues facing our country, its impacts and remedial measures (15 Marks)