



(University of Choice)

MASINDE MULIRO UNIVERISTY OF SCIENCE AND TECHNOLOGY (MMUST)

**MAIN CAMPUS
UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR (REGULAR)
SECONDD YEAR SECOND SEMESTER MAIN EXAMS FOR DIPLOMA IN GENERAL
AGRICULTURE AND HORTICULTURE**

**COURSE CODE: DAG/DAH 081
COURSE TITLE: ENVIRONMENTAL SCIENCE**

DATE: 20TH APRIL, 2022 TIME: 12-2PM

INSTRUCTIONS TO STUDENTS

Answer all questions in section A

Answer any TWO questions in section B

Total marks=70

MMUST observes ZERO tolerance to examination cheating

SECTION A: 30 MARKS

1. Outline the main goals of environmental science field to human race as whole **(3marks)**
2. Define the following terms **(4marks)**
 - I) Biosphere
 - II) Thermosphere
 - III) Lithosphere
 - IV) Hydrosphere
3. By giving examples, outline the types of environments**(3marks)**
4. Differentiate between landfill and incineration methods of waste disposal **(2marks)**
5. Outline the functions of the atmosphere as one of the segments of the environment **(2marks)**
6. State the importance of forest resources in our society today **(5marks)**
7. What are the remedies to deforestation?**(5marks)**
8. Outline the types of soil erosion **(4marks)**
9. What are the control measures to soil pollution?**(4marks)**

SECTION B: 40 MARKS

10. a. What is soil erosion?**(2marks)**
 - b. Discuss the effects of soil erosion **(8marks)**
 - c. Explain the prevention measures of soil erosion **(10marks)**
11. a. What is water conservation?**(2marks)**
 - b. Explain the importance of water conservation **(6marks)**
 - c. Discuss the water conservation measures for crop and livestock production **(12mks)**
13. a. What is vegetation?**(2marks)**
 - b. Explain the critical function of vegetation to biosphere **(8marks)**
 - c. Discuss wildlife conservation **(10 marks)**