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(UNIVERSITY OF CHOICE)

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

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**2023/2024 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN DISASTER  
MANAGEMENT AND SUSTAINABLE DEVELOPMENT /  
CLIMATE CHANGE ADAPTATION AND SUSTAINABLE  
DEVELOPMENT**

**COURSE CODE: DSM 112**

**COURSE TITLE: INTRODUCTION TO SUSTAINABLE  
DEVELOPMENT**

**DATE: 18/12/2023**

**TIME: 12-2 P.M**

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**INSTRUCTIONS TO CANDIDATES:**

Question ONE (1) is compulsory  
Answer any other TWO (2) questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating.

Paper Consists of 2 Printed Pages. Please Turn Over



**QUESTION 1 (30 marks)**

**1a. Define the following terms as used under sustainable development**

- I. Development ( 2 marks)
- II. Sustainable development ( 2 marks)
- III. Wellbeing (2 marks)

**b. Evaluate any 3-core values of development (6 marks)**

**c. Explain any 5 ideal values of sustainable development (10 marks)**

**d. Using relevant examples, explain the 3 pillars of sustainable development (8 marks)**

**QUESTION 2 (15 marks)**

Briefly explain how international trade could impact Sustainable development under the following subtitles.

- I. Scale effect ( 5 marks)
- II. Technology/ technique effect ( 5 marks)
- III. Composition effect ( 5 marks)

**QUESTION 3 (15 marks)**

- a) Distinguish between **strong** sustainability and **weak** sustainability ( 5 marks)
- b) Using relevant examples, briefly explain the relationship between population, poverty and environmental degradation ( 10 Marks)

**QUESTION 4 (15 marks)**

- a. Explain any 3 themes that underpin sustainable development ( 5 Marks)
- b. Use relevant examples to show and explain the relationship between sustainable development goals (14 marks)