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# MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)
## UNIVERSITY MAIN EXAMINATION
## 2023/2024 ACADEMIC YEAR
## MAIN CAMPUS

## THIRD YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE IN DISASTER MITIGATION AND SUSTAINABLE DEVELOPMENT

## COURSE CODE: DSM 300

## COURSE TITLE: SUSTAINABLE DEVELOPMENT

**DATE: 18/12/2023**                      **TIME: 12-2 P.M**

**INSTRUCTIONS TO CANDIDATES**

Question ONE (1) is compulsory
Answer ANY TWO (2) OTHER questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

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

## QUESTION ONE (COMPULSORY) (30 marks)

a) Using a well labelled diagram, discuss the pillars of sustainable development (10 marks)

b) State the global targets of the Sendai framework 2015-2030          (7 marks)

c) Demonstrate the concept of carrying capacity using a well-labelled diagram (4 marks)

d) Discuss the relationship between poverty alleviation and sustainable development

(4 marks)

e) State any five sustainable development goals          (5 marks)

## QUESTION TWO (20 marks)

a) Discuss the strengths and weaknesses of sustainable livelihoods framework (10 marks)

b) Using relevant examples, discuss the impact of climate change on vulnerable

communities among coastal in Africa          (10 marks).

## QUESTION THREE (20 marks)

a) Trace the evolution of the concept of sustainable development          (10 marks)

b) Discuss the role of technology and innovation in achieving sustainable development

(10 marks)

## QUESTION FOUR (20 marks)

a) Discuss the implications of the United Nations' Sustainable Development Goals (SDGs)

to Kenya giving examples of how the country has made progress or faced challenges in

achieving these goals          (10 marks).

b) Discuss the parameters of sustainability          (10 marks)