



*(University of Choice)*

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

**MAIN CAMPUS**

**UNIVERSITY SPECIAL AND SUPPLEMENTARY  
EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS**

**FOR THE DEGREE**

**OF**

**BACHELOR OF SCIENCE IN DISASTER MITIGATION AND  
SUSTAINABLE DEVELOPMENT (DMSD)**

**COURSE CODE: DSM 106**

**COURSE TITLE: HUMAN AND PHYSICAL GEOGRAPHY**

**DATE: 02/08/2022**

**TIME: 2 - 4 PM**

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**INSTRUCTIONS TO CANDIDATES**

This paper contains **FOUR** Questions  
Answer Question **ONE** and any other **TWO** Questions

TIME: 2 Hours

MMUST observes **ZERO** tolerance to examination cheating

### **Question ONE (Compulsory)**

- (a) Explain any three (3) reasons, which make geography “A unique discipline/field”. **(6 marks)**
- (b) Describe any two differences between Physical and Human geography. **(4 marks)**
- (c) Explain the importance of any FIVE (5) branches of Human geography. **(10 marks)**
- (d) Define the term “Disaster Mitigation”. Describe the salient steps involved in preparing mitigation measures for a natural disaster of your choice. **(6 marks)**
- (e). Explain any four (4) Sustainable Development Goals linked to physical geography. **(4 marks)**

***Answer any two (2) questions from this section***

### **Question TWO**

- (a) Define the term urbanization. **(2 marks)**
- (b) Explain Four (4) causes of urbanization. **(8 marks)**
- (c) With reference to Nairobi as a case study, describe how urban growth has created disaster related challenges. **(10 marks)**

### **Question THREE**

- (a) Compare and contrast mitigation and adaptation concepts in (include the context). **(4 marks)**
- (b) Outline three (3) possible methods of climate change mitigation. **(6 marks)**
- (c) Explain how deforestation can contribute towards climate change. **(10 marks)**

### **Question FOUR**

- (a). Explain the term sustainable food supply. **(2 marks)**
- (b). Explain how urban farming initiatives and organic farming can increase sustainable food supplies. **(8 marks)**
- (c). Briefly explain the extent to which physical factors are more important than human factors in affecting food supply. **(10marks)**