



THE CO-OPERATIVE UNIVERSITY OF KENYA

END OF SEMESTER EXAMINATION DECEMBER -2022

**EXAMINATION FOR THE DEGREE OF BACHELOR OF DISASTER RISK
MANAGEMENT
(YR III SEM I)**

UNIT CODE: BENV 3110

UNIT TITLE: DISASTERS, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

DATE: THURSDAY 22ND DECEMBER, 2022

TIME: 2:00 PM – 4:00 PM

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INSTRUCTIONS:

- **Answer question ONE (compulsory) and any other TWO questions**

QUESTION ONE

- (a) Give 3 potential impacts of flooding in Nairobi city? **(6 Marks)**
- (b) Explain 4 guiding principles of the Sendai Framework for disaster risk reduction. **(8 Marks)**
- (c) Disasters can destroy development gains – *True/False*, briefly explain your answer. **(3 Marks)**
- (d) What is the constitution of the national disaster risk management authority? **(3 Marks)**
- (e) What role does the authority play in disaster management according to the Disaster Risk Management Bill, 2021. **(5 Marks)**
- (f) List 5 principles of sustainable development useful in disaster management? **(5 Marks)**

SECTION B: ANSWER ANY TWO QUESTIONS - 40 MARKS

QUESTION TWO

- (a) Define Disaster risk? **(4 Marks)**
- (b) Development is vital for reducing disaster risk, yet many current development models are unsustainable and are instead driving and creating disaster risks. Discuss **(16 Marks)**

QUESTION THREE

- (a) Define sustainable development and list 5 Sustainable Development Goals that you know. **(5 Marks)**
- (b) It is obvious that there is a clear need for a new approach, capable of incorporating the prevention of natural disasters, whilst mitigating strategies within the cycle of sustainable development. Critically discuss the relationship between disasters and sustainable development. **(15 Marks)**

QUESTION FOUR

- (a) The Sendai Framework for disaster risk reduction advocates for '*building-back-better*'. Describe your understanding of the phase. **(4 Marks)**
- (b) There is a clear need to reinforce the importance of environmental concerns in the entire

disaster management cycle of prevention, preparedness, assessment, mitigation and response and to integrate environmental concerns into planning for relief, rehabilitation, reconstruction and development. Discuss the impacts of Disasters on environment using classical examples. **(16 Marks)**

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