



The Co-operative University of Kenya
END OF SEMESTER EXAMINATION DECEMBER-2016

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

UNIT CODE: CODM 2307

**UNIT TITLE: DISASTER, ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT**

DATE: 9TH DECEMBER, 2016

TIME: 2:00 PM – 4:00 PM

INSTRUCTIONS:

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

QUESTION ONE

- (a) Define the following concepts
 - i. Disaster (2 marks)
 - ii. Disaster risk management (2 marks)
 - iii. Community managed disaster risk reduction (2 marks)
- (b) Explain the **THREE** pillars of sustainable development (6 marks)
- (c) State **EIGHT** human induced disasters (4 marks)
- (d) Explain **FOUR** effects of climate change that may qualify it as a disaster. (8 marks)
- (e) Outline **THREE** factors that determine the likelihood of a disaster occurrence. (6 marks)

QUESTION TWO

- (a) Explain the various resources available in arid and semi arid environments of Kenya that are useful for the sustainable livelihoods of the pastoral communities. (8 marks)
- (b) With the help of a diagram, explain the **THREE** stages of a disaster risk management. (12 marks)

QUESTION THREE

- (a) Explain **TEN** principles of environmental management and planning. (10 marks)
- (b) Explain any **TWO** tools and techniques for natural hazards assessments. (10 marks)

QUESTION FOUR

- (a) Explain the **EIGHT** key issues addressed by sustainable development according to 'our common report'. (12 marks)
- (b) Explain the **FOUR** dimensions of sustainable development according to the Brundtland management in Kenya. (8 marks)

QUESTION FIVE

- (a) With the aid of a diagram, explain the various activities carried out in the drought cycle management in Kenya. (12 marks)
- (b) Highlight **EIGHT** principles of a good disaster emergency response. (8 marks)