



The Co-operative University of Kenya

END OF SEMESTER EXAMINATION DECEMBER-2016

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN DISASTER RISK MANAGEMENT AND SUSTAINABLE DEVELOPMENT **(Bsc DR &RM YR 3 SEM 1)**

UNIT CODE: CODM 2305

UNIT TITLE: ENVIRONMENTAL POLLUTION AND CONTROL

DATE: 5TH DECEMBER, 2016

TIME: 2:00 PM – 4:00 PM

INSTRUCTIONS:

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

QUESTION ONE

- (a) Discuss the of History of environment pollution with reference to Japan (8 marks)
- (b) “Environmental pollution can be said to be any activity by corporations or individuals which compromises the health and or environment of other persons in a localized area, where the causal links is clearly established”. In light of this statement, discuss FIVE categories of pollution. (10 marks)
- (c) Explain the rationale for environmental provision within the Kenya 2010 constitution (6 marks)
- (d) Explain SIX gaseous pollutants in the atmosphere (6 marks)

QUESTION TWO

- (a) As an expert in Disaster risk management, you are approached by your county Governor to educate people on the impact of Hazardous materials in the environments and the way forward in pursuit to sustainability
 - i. Explain the impacts of hazardous material in the environment
 - ii. Discuss the remedies for hazardous materials in the environment (10 marks)
- (b) Discuss the aspects of air pollution and control measures in major urban centres of Kenya (10 marks)

QUESTION THREE

- (a) Discuss the importance of environmental pollution and control (10 marks)
- (b) Evaluate the chemical components and composition of water pollutants (10 marks)

QUESTION FOUR

- (a) Explain the environmental effects caused by the stratospheric Zone layer depletion (10 marks)
- (b) The county local government requires an environmental impact assessment of a project to be carried out. Outline the necessary steps in this process and describe” what should be included in the final report. Outline the necessary steps in the environmental impact assessment of a project (10 marks)

QUESTION FIVE

- (a) Discuss the Atmospheric classifications by scientists under the following sub-headings
- i. Ionosphere (2 marks)
 - ii. Thermosphere (2 marks)
 - iii. Mesosphere (2 marks)
 - iv. Stratosphere (2 marks)
 - v. Troposphere (2 marks)
- (b) “Environmental experts asserts, that sewerage outlets project MUST be ecologically sustainable” Discuss this statement outlining the pros and cons (10 marks)