



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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021 / 2022 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF DISASTER MITIGATION AND SUSTAINABLE
DEVELOPEMENT**

COURSE CODE: DSM 407

**COURSE TITLE: CORPORATE DISASTER PREPAREDNESS
AND RISK ANALYSIS**

DATE: 25/04/2022

TIME: 12 - 2PM

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** and any other **TWO (2)** questions

TIME: 2 Hours

Question ONE

- (a) Explain the term Incident Command System (ICS). **(4 Marks)**
- (b) Outline the key functions of the following ICS sections:
 - (i) Incident Commander **(2 Marks)**
 - (ii) Operations **(2 Marks)**
 - (iii) Planning **(2 Marks)**
 - (iv) Logistics **(2 Marks)**
- (c) Identify and explain the pillars of good corporate governance. **(8 Marks)**
- (d) Explain the importance of disaster risk reduction in corporation governance.

(6 Marks)

- (e) Using a well-labelled diagram, demonstrate your understanding of the term 'risk'. **(4 Marks)**

Question TWO

- (a) You have been appointed by Kenya Breweries Company Limited as a safety advisor. The company intends to procure Personal Protection Equipment (PPE) for safety of their personnel as part of their corporate strategy. Examine the criteria for justifying the PPE procurement highlighting the departments that will use them. **(12 Marks)**
- (b) You have noticed a number of employees in the company do not wear and use the PPEs properly and you decide to offer a training on it. Draft a one-day training schedule to show the various activities that shall be undertaken during the proposed training.

(8 Marks)

Question THREE

- (a) Identify and explain the key elements of an Emergency Operation Center. **(8 Marks)**
- (b) Explain why all Kenyan Universities should establish Emergency Operation Centers (EOC) highlighting the weaknesses of the EOCs. **(12 Marks)**

Question FOUR

- a) Identify potential losses a corporate organization may suffer from emergencies. **(10 Marks)**
- b) Analyze the recovery measures to undertake after a corporate sector has suffered an emergency. **(4 Marks)**
- c) Discuss briefly how you would establish an emergency coordination mechanism in a corporate Organization. **(6 Marks)**