



(University of Choice)

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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DIPLOMA

IN

DISASTER MANAGEMENT

COURSE CODE: SEC/05/DM/04/6
MAIN EXAMINATION

COURSE TITLE: FIGHTING FIRE OUTBREAK

DATE: 08/12/2023

TIME: 2-4PM

INSTRUCTIONS TO CANDIDATES

Answer Question 1(ONE) and any other TWO Questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.

Question One

- a) Different terms mean different meaning the following terms are commonly used in Fighting Fire Outbreak, with relevant examples differentiate them
- i) Fire Hazard
 - ii) Evacuation Time
 - iii) Backdraft
 - iv) Fire management
 - v) Fire Compartment (10 Marks)
- b) Different features are installed on a portable fire extinguisher for different purpose with the aid of drawing indicating all the common features explain how they are operated State the difference between complete and incomplete combustions (10 Marks)
- c) Using a well labelled diagram, define and describe fire tetrahedron and explain the distinct difference with Combustion Triangle (10 Marks)

Question Two

- a) Explain five common causes of fire (5Marks)
- b) Identify and Discuss fire spreading mechanism (8 Marks)
- c) Discuss methods of fire extinction that you can use in the case of a fire outbreak (7Marks)

Question three

- a) Discuss the three broad categories of fire hazards and the related precautions (15Marks)
- b) Name five fixed installations used in fire-fighting (5Marks)

Question Four

- a) Draw a portable fire extinguisher and name all the common features (12Marks)
- b) Explain the functions of the features stated above (8Marks)