



(University of Choice)

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

**UNIVERSITY MAIN EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER MAIN EXAMINATIONS
FOR BACHELOR
IN
DISASTER MANAGEMENT**

COURSE CODE: DEM 200

**COURSE TITLE: INTRODUCTION TO FIRE SAFETY
MANAGEMENT**

DATE: 20/12/2023

TIME: 3-5PM

INSTRUCTIONS TO CANDIDATES

SECTION A: Question ONE (1) is compulsory

SECTION B: Answer ANY TWO (2) questions

MMUST observes ZERO tolerance to examination cheating

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

SECTION A: Question ONE (1) (Compulsory)

- a) As a student in the School of Disaster Management and Humanitarian assistance (SDMHA) you have been requested to demonstrate to visiting school on how to use a fire extinguisher. Discuss the procedure of how to use a fire extinguisher. (8 marks)
- b) By use of diagrams discuss the difference between the fire triangle and fire behaviour triangle. (12 marks)
- c) Discuss FIVE precautions that may be taken to prevent a fire from occurring. (10 marks)

SECTION B: Answer ANY TWO (2) Questions

- 2. As an expert in issues fire safety management, you have been invited by to capacity build fire fighters of Nairobi City County and you have tasked to share on Basic Components of a Fire Alarm System. Discuss the five components of a fire alarm system. (20 marks)
- 3. A portable fire extinguisher enables an individual with minimal training and orientation to extinguish an incipient fire without risk after calling the fire department. Discuss five components that are commonly used in portable fire extinguishers. (20marks)
- 4. Kigomba Market in Nairobi recently was affect by fire disaster and many business people lost their properties worth millions of shillings. Discuss five (5) fire developmental stages of the Kigomba disaster. (20 marks)
- 5. In fire management drills are very important. Discuss steps that should be followed to conduct a successful fire drill? (20 marks)