



**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: FIRE PREVENTION**

**DATE: .....**

**TIME: .....**

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**INSTRUCTIONS TO CANDIDATES**

Answer Question 1(ONE) and any other TWO Questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

**Question ONE** This Paper Consists of 2 Printed Pages. Please Turn Over.



a) Define the following terms as used in fire prevention **(2Marks each)**

- i. Smothering
- ii. Starvation
- iii. Cooling
- iv. Conduction
- v. Heat

b) Draw a fire triangle indicating the three key ingredients for fire and give relevant examples

**(8Marks)**

c) Draw a portable fire extinguisher indicating all the common features and explain it is operated **(12 Marks)**

### **Question TWO**

a) Give a detailed account information on the rules involved in fire preventing **(10 Marks)**

b) Most fire extinguishers are based on the term 'PASS' system operated. Explain its meaning in extinguishing fire in an industrial or domestic scenario **(10 marks)**

### **Question THREE**

a) During a fire accident you notice one of your friends' clothes which he has put on are on fire and he is running around. Discuss your action procedure **(10 Marks)**

b) Explain how you are supposed to make an emergency call for firefighters to respond to the fire emergency **(10 Marks)**

### **Question FOUR**

a) List at least Five fire extinguishers and explain explicitly, depending on the media of fire source how different fire extinguishers chemically and physically function to suppress fire during fire prevention **(10Marks)**

b) You are in a building and suddenly you notice fire. As a Disaster Management in charge discuss the evacuation procedures. **(10Marks)**

