



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

UNIVERSITY SUPPLEMENTARY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND SEMESTER

SECOND YEAR MAIN EXAMINATIONS

BACHELOR OF TECHNOLOGY (COSMETOLOGY)

COURSE CODE: TCO 211

COURSE TITLE: HEALTH AND SAFETY AT THE WORKPLACE

DATE: 4/08/2022


TIME: 11.00-1.00 pm

INSTRUCTIONS TO CANDIDATES

Answer ALL questions.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over. 

QUESTION ONE (17 MARKS)

- a. There are three simplest ways of quantifying risks. Giving examples, describe the three ways. (3 marks)
- b. State any four examples of common control measures in the work place. (4 marks)
- c. A safety policy can be broken into four sub-sections. State and briefly explain the sub-sections. (4 marks)
- d. What is an accident as defined in the Kenya work and injury benefits act chapter 236? (1 mark)
- e. Discuss the hierarchy of controls in the workplace. (5 marks)

QUESTION TWO (15 MARKS)

- a. With the use of examples, state the four main classes of gases. (2 marks)
- b. Discuss any four reasons why sunbeds are an important health issue. (4 marks)
- c. Describe any three interventions for water quality in fish spas. (3 marks)
- d. How should a first aid kit be designed? (4 marks)
- e. State any four communication skills used in health education at the work place. (2 marks)

QUESTION THREE (20 MARKS)

- b. Differentiate between slips, trips and falls. (3 marks)
- b. Good housekeeping is very important when working to prevent falls due to slips and trips. State any five good housekeeping rules that apply to the workplace. (5 marks)
- c. How do pictograms help in preventing slips, trips and falls? (1 mark)
- d. Discuss any four ways of controlling musculoskeletal disorder hazards at the source in the workplace. (4 marks)
- e. Explain how individual hazards can cause musculoskeletal disorder. (1 marks)
- f. Describe any three symptoms that suggest occupational dermatitis. (3 marks)
- f. Differentiate between contact irritant dermatitis and atopic contact dermatitis. (2 marks)

QUESTION FOUR (20 MARKS)

- a. Explain any THREE ways that the skin can be damaged so as to result in contact irritant dermatitis. (3 marks)
- b. Differentiate between irritant induced occupational asthma and allergic occupational asthma. (3 marks)
- c. What are the three safety and health requirements that should be established for the safe handling and transportation of chemicals and other hazardous substances in the workplace? (3 marks)
- d. Give any four safety provisions required of every workplace in case of fire. (4 marks)
- e. Discuss any three diseases caused by asbestos. (3 marks)
- f. How would you reduce the risks associated with electrical equipment. (4 marks)