



(University of Choice)

**MASINDEMULIROUNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS (MAIN EXAM)

2021/2022 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

BACHELOR OF TECHNOLOGY (COSMRTOLOGY)

COURSE CODE: TCO 211

COURSE TITLE: HEALTH AND SAFETY AT THE WORKPLACE

DATE: 25/04/2022

TIME: 12.00 -2.00.PM

INSTRUCTIONS TO CANDIDATES

Answer all the Questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

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

QUESTION ONE (15 marks)

- a.
 - i. Risk assessment is a three-step process. State the three steps. (3 marks)
 - ii. Severity of a risk can be influenced by three factors. Give the three factors. (3 marks)
- b. Explain two reasons why risk assessments and a safety policy statement should be prepared. (1 mark)
- c. There are four different types of hazards in the workplace. Describe them. (4 marks)
- d. A safety policy can be broken into four sub-sections. State and briefly explain the sub-sections. (4 marks)

QUESTION TWO (15 marks)

- a.
 - i. State any two common causes of slips (2marks)
 - ii. 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)
- b.
 - i. Musculoskeletal Disorder Hazards are generally classified into three categories. Name the three categories (1^{1/2} marks)
 - ii. State three biomechanical risk factors that can cause musculoskeletal disorders. (1^{1/2} marks)
- c.
 - i. Describe any two symptoms that suggest occupational dermatitis. (2 marks)
 - ii. Differentiate between contact irritant dermatitis and atopic contact dermatitis. (3 marks)

QUESTION THREE (20 marks)

- a.
 - i. State any two symptoms of Asthma. (2 marks)
 - ii. Differentiate between irritant induced occupational asthma and allergic occupational
- b. 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)
- c. Give any four safety provisions required of every workplace in case of fire. (4 marks)
- d.
 - i. State any four examples of asbestos containing material. (2 marks)
 - ii. State any six occupations that are at risk of asbestos exposure. (3 marks)
- e. State and explain any four ways of reducing the risks associated with electrical equipment. (4 marks)

QUESTION FOUR (20 marks)

- a.**
- i. Gases can be classified into four main classes depending on their physical properties and transport requirements. With the use of examples, state the four main classes of gases. (3 marks)
 - ii Explain any three safe gas handling practices in the work place. (3 marks)
- b.** Describe any five reasons why sunbeds are an important health issue? (5 marks)
- c.** Describe any three interventions for water quality in fish spas. (3 marks)
- d.** State any four items that must be provided in a first aid room. (2 marks)
- e.** State any four communication skills used in health education. (4 marks)

- a) Outline and explain the various types of skin cancers (**6 Marks**)
- b) Give a brief explanation of the various types of sudiferous (sweat) glands disorders (**6 Marks**)
- c) Acne vulgaris is a common condition of the skin
 - i) Describe what causes acne and what kind of disorder is it? (**5 Marks**)
 - ii) As a cosmetologist how would you advice a client with acne? (**4 Marks**)