



KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER
SUPPLEMENTARY/SPECIAL EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN RENEWBLE
ENERGY AND BIOFUELS TECHNOLOGY**

COURSE CODE: SUT 451

COURSE TITLE: SAFETY PRACTISE AND PROCEDURES

DURATION: 2 HOURS

DATE: 10/1/2022

TIME: 11-1PM

INSTRUCTIONS TO CANDIDATES

- Answer **QUESTION ONE** (Compulsory) and any other two (2) Questions.
- Indicate **answered questions** on the front cover.
- Start every question on a new page and make sure question's number is written on each page.

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

QUESTION 1 (30 marks)

- a. State any ten (10) safety rules in a factory. (5 marks)
- b. State any five (5) examples of hazards in a manufacturing environment. (5 marks)
- c. State any five (5) worksite analysis methods for identifying hazards. (5 marks)
- d. State any ten (10) items found in a first aid kit. (5 marks)
- e. State any five (5) types of fire extinguishers. (5 marks)
- f. State any five (5) indirect costs of accidents. (5 marks)

QUESTION 2 (20 marks)

- a. State any five (5) basic safety requirements giving two (2) safety rules under each requirement. (10 marks)
- b. Explain any the two (2) categories of indirect causes of accidents, giving four (4) examples of each category. (6 marks)
- c. Explain any two (2) ways of preventing accidents caused by unsafe conditions. (4 marks)

QUESTION 3 (20 marks)

- a. State any five (5) ways of preventing accidents in each of the two primary causes of accidents. (10 marks)
- b. State any five (5) provisions about Safe means of access and safe place of employment in the Factory Act. (10 marks)

QUESTION 4 (20 marks)

- a. Explain any four (4) ways of extinguishing fire. (8 marks)
- b. State the procedure of using the fire extinguisher. (4 marks)
- c. List any ten (8) items that should be provided in a first aid room. (8 marks)

QUESTION 5 (20 marks)

- a. State the three (3) aspects that describe noise. (3 marks)
- b. Explain any four (4) factors that are considered when designing first aid in a work place. (8 marks)
- c. Describe any three (3) protective devices in electromagnetic compatibility by stating the type, device example and their applications. (9 marks)