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KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR

FOURTH YEAR FIRST SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN RENEWABLE
ENERGY AND BIOFUELS TECHNOLOGY

COURSE CODE: SUT 451

COURSE TITLE: SAFETY PRACTISE AND PROCEDURES

DURATION: 2 HOURS

DATE: 8/02/2021

TIME: 8:00 - 10:00 PM

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 five (5) ways of preventing accidents. (5 marks)
- b. State any five (5) types of fire extinguishers. (5 marks)
- c. State any five (5) health general provisions in the Factory Act CAP 514. (5 marks)
- d. State any five (5) items that should be in a first aid room. (5 marks)
- e. State any five (5) sources of ignition for fire to happen. (5 marks)
- f. Give any five (5) examples costs incurred due to accidents. (5 marks)

QUESTION 2 (20 marks)

- a. Describe any five (5) worksite analysis methods for identifying hazards (10 marks).
- b. Design any two (2) samples of Hazard Inventory forms (10 marks).

QUESTION 3 (20 marks)

- a. Discuss the factors to be considered when designing first aid in a work place (10 marks).
- b. State any five (5) basic safety requirements giving two (2) safety rules under each (10 marks).

QUESTION 4 (20 marks)

- a. Describe any two indirect causes of accidents giving six (6) examples of each (10 marks).
- b. State any ten (10) examples of hazards in a manufacturing environment (10 marks).

QUESTION 5 (20 marks)

- a. Discuss the corrective and preventive actions in the Electromagnetic Compatibility of electrically powered devices in manufacturing (10 marks).
- b. Describe any three (3) protective devices in electromagnetic compatibility by stating device example and their applications (10 marks).