



UNIVERSITY OF ESWATINI

Faculty of Health Sciences

Department of Environmental Health Science

OCT 2021 Main Examination

**Title of paper: ACCIDENT/INCIDENT INVESTIGATION &
 REPORTING**

Course code: EHS 440

Time allowed: 2 HOURS

Marks allocation: 100 Marks

Instructions:

- 1) QUESTION 1 IS COMPULSORY**
- 2) Then answer ANY OTHER THREE (3) questions**
- 3) Each question is weighted 25 marks**
- 4) Write neatly and clearly**
- 5) Begin each question in a separate sheet of paper**
- 6) Numbering within a chosen question should be in a sequential order**

This paper is not to be opened until the invigilator has granted permission

QUESTION 1

- a) Interpret the following information that may be displayed on a Risk Assessment Matrix by two words response e.g. highly toxic (10)
- i. I A
 - ii. I E
 - iii. III B
 - iv. II C
 - v. III D
- b) Write the formulae/definition of the following injuries in full. Each response is three marks each (15)
- i. Lost time injury
 - ii. Medical aid
 - iii. Man – hours worked
 - iv. Severity rate
 - v. Total injury rate

QUESTION 2

- a) Name the 2 other groups that should be robed in during an incident investigation other than the supervisor for the results to be accepted (4).
- b) Write short notes on risk control measures (6).
- c) Describe an injury on duty (3)
- d) Define the following terms as they relate to accident investigation;
- i. Due diligence (5).
 - ii. Dangerous occurrence (2)
 - iii. RIDDOR (3)
 - iv. Undesired circumstance (2)

QUESTION 3

- a) If an employee has been booked off due to IOD for 4 days but less than 3 months, what is the obligation of the employer? (6)
- b) If the employee has been booked for over 3 months, what should the employer do? (6).
- c) What happens once the 3 month period expires? (2)

- d) What are the measure causes of injuries and illnesses in the workplace according to the Bureau of Labour Statistics? (8).
- e) Incident investigation is carried out not to find fault, then how does it help the organization if it is not finding fault? (3)

QUESTION 4

- a) Name any 5 people considered as persons with information regarding accidents occurrence in the workplace (5)
- b) List the sources of information under observation (5)
- c) What is represented by the following Codes location B, D and F? (3)
- d) For the following question please only write the word that best describes the given scenario (12).
 - i. -----is an unplanned & unwanted event which disrupts normal activities with the potential to cause harm.
 - ii. This condition should be looked at as a wake-up call -----.
 - iii. A condition that can be thought of as a first of a series of events -----.
 - iv. An event that is definite as to time and place ...
 - v. These are preventable and avoidable
 - vi. Conditions that are caused by things people do or fail to do---

QUESTION 5

- a) In a point form please indicate why is it of utmost importance to carry out an investigation after an accident has occurred (14).
- b) Outline only OSHA's five points of a successful program (10)
- c) Why are injury rates divided by 200 000 hrs? (1).