

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
DEGREE IN ENVIRONMENTAL HEALTH
MAIN EXAMINATION PAPER 2013

TITLE OF PAPER : RISK ASSESSMENT, MANAGEMENT AND COMMUNICATION II

COURSE CODE : EHS 568

DURATION : 2 HOURS

MARKS : 100 MARK

INSTRUCTIONS :

- READ THE QUESTIONS & INSTRUCTIONS CAREFULLY**
- ANSWER ALL FOUR QUESTIONS**
- EACH QUESTION CARRIES 25 MARKS**
- WRITE NEATLY & CLEARLY**
- NO PAPER SHOULD BE BROUGHT INTO NOR OUT OF THE EXAMINATION ROOM**
- BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER**

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR

Answer any 4 questions

Question 1

- a) What is the importance of investigating workplace accidents and diseases? [5 Marks]
- b) Name and discuss a systematic method for accident investigation which can be applied to accidents and near misses at the workplace [20 Marks]

Question 2

- a) In relation to communication, answer the following:
 - i) Definition of Communication [2 Marks]
 - ii) Methods of health communication [5 Marks]
 - iii) Definition and principles of Health Education [5 Marks]
- b) Training is an important activity in health and safety. In that respect discuss the following:
 - i) Importance of developing objectives and how they should be structured [5 Marks]
 - ii) Importance of the eight (8) lesson preparation steps [8 Marks]

Question 3

- a) Discuss the 3 sources of information needed for an effective communication in health and safety. [15 Marks]

Referring to the Factories, Machinery and Construction Work Act 1972, and the Occupational Safety and Health Act 2001.

- b) Discuss how accidents/diseases are reported. [5 Marks]
- c) Discuss how to handle machinery or equipment at the accident scene. [5 Marks]

Question 4

Discuss in detail the two important approaches (Preventative and Reactive) to risk management in the workplace?

[25 Marks]

Question 5

You are a qualified Environmental Health Officer and invited for a job interview at Mbabane City Council. If the following questions are asked from you, what would be your response?

- a) What do you think are the five major causes of poor hazardous waste management in developing countries?

[15 Marks]

- b) Explain five possible problems with stock piling of hazardous waste in an industry located at Mbabane industrial site

[5 Marks]

- c) Given the job of monitoring hazardous waste in Mbabane industrial site, what would be your five major points of concern in your daily routine work

[5 Marks]