

UNIVERSITY OF SWAZILAND
Faculty of Health Science

Department of Environmental Health Sciences

Final Examination 2010/2011

Title of paper: Risk Assessment, Management and Communication II

Course code: EHS 568

Time allowed: 2 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer ALL questions
- 3) Each question is weighted 25 marks
- 4) Write neatly and clearly

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

Answer ALL questions

QUESTION 1

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 2

- a) According to the Occupational Safety and Health Act 2001, what is an 'accident'? [4 Marks]
- b) The Occupational Safety and Health Act 2001 improved the clauses on the section Notification and investigation of accidents and industrial diseases when comparing with the Factories, Machinery and Construction Works Act 1972. Explain how the two documents differ on the section 'Machinery or equipment not to be removed or altered' [6 Marks]
- c) According to the OSH Act 2001 there is a accident/illness form to be filled and distributed to five (5) offices. Name the offices. [5 Marks]
- d) In risk assessment, what is the hierarchy of developing control measures? [10 Marks]

QUESTION 3

It is important to investigate an accident or incident for a number of reasons. When conducting the investigation what are the four (4) key areas to consider and give five (5) reasons for investigating?

[25 Marks]

QUESTION 4

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

1. What do you think are the five major causes of poor hazardous waste management in the developing countries?
[15 Marks]
2. Explain five possible problems with stock piling of hazardous waste in an industry located at Matsapa industrial site
[5 Marks]
3. Given the job of monitoring hazardous waste in Matsapa industrial site, what will be your five major points of concern that will be your daily routine work
[5 Marks]