



UNIVERSITY OF SWAZILAND
Faculty of Health Science

Department of Environmental Health Sciences
Final Examination
May 2010

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

You are to make a presentation to management on “**Risk assessment and management**”.

- a) Outline the objectives of the session [5 Marks]
- b) Write points to discuss in the session (presentation slides) [20 Marks]

Question 2

- a) What is a hazardous waste? [2 Marks]
- b) Giving an example to illustrate how hazardous waste can affect the environment [5 Marks]
- c) Explain 6 types of industrial waste and give examples [18 Marks]

Question 3

- a) You are to investigate an accident/disease - What factors will you consider in your investigation? [12 Marks]
- b) What is an accident according to the Occupational Safety and Health Act 2001 and how should it be handled by the employer. [3 Marks]
- c) What are the effects of an accident to the injured worker and the company? [10 Marks]

Question 4

- a) What is non verbal communication? [1 Mark]
- b) Explain the three (3) sources of information within and into the company [9 Marks]
- c) State if the statement is True or False
 - i) Talking and communication are basically the same
 - ii) In health education it is important to know your audience prior to the actual delivery of the session
 - iii) Gender and culture are some of the factors you should take into consideration when planning a health education session
 - iv) It is always advisable to use audio-visual methods when presenting health education information to your audience
 - v) Behavior change is the easiest thing to attain and the most difficult to maintain

d) Multiple choice question – choose the most appropriate response to the question.

i) Communication is defined as

- A. A process of transmitting a message from a sender using an appropriate channel to a receiver
- B. A process or act of sending a message to a receiver, and the feelings and thoughts of the receiver upon interpreting the message
- C. A process of transmitting a message from a sender to a receiver using an appropriate medium and the resultant action taken upon interpreting the message
- D. Exchange of information either verbally or non-verbally

ii) According to Scudder's Law of Communication:

- A. All living entities communicate
- B. Only human beings communicate
- C. Communication only takes place verbally
- D. All of the above

iii) All of the following are methods of health communication, except:

- A. Social Marketing
- B. Mass media
- C. Edutainment
- D. Lobbying

iv) Elements of the communication process include all of the following except:

- A. Encoding
- B. Decoding
- C. Channel
- D. Message

v) All the following are parts of a message except:

- A. Self-revelation
- B. Action
- C. Appeal
- D. Relationship

vi) Which of the following is not an attribute of effective health communication, except:

- A. Timeliness
- B. Dependability
- C. Cultural competence
- D. Accuracy

vii) Health Education is defined as:

- A. Any combination of planned learning experiences based on sound theories that provide individuals, groups and communities the opportunity to acquire information and the skills needed to make quality health decisions
- B. Process of assisting people acting separately or collectively to make informed decisions on matters affecting their health
- C. A component of health promotion whereby environmental determinants are addressed through health literacy to prevent the occurrence of diseases and injuries
- D. All of the above

viii) Health education aims at:

- A. Bringing about behavior change through improving health literacy that will ensure reduction of morbidity and mortality and promote optimal health
- B. Enhancing the quality of life and reduce premature death
- C. Preventing the occurrence of ill health thus improving the status of individuals, families, communities and the nation
- D. All of the above

ix) The principles of health education include all of the following except:

- A. Theory driven
- B. Population focused
- C. Based on the needs of individuals and community
- D. Strictly emphasize on the treatment of already existing illnesses and injuries

x) According to Diffusion of Innovations Theory, when developing a health promotion plan, it is important to know that:

- A. All people will change their behavior
- B. Some people will change and some will not
- C. People change behavior at different times and there are those who will never change
- D. A majority of people will change behavior at the first instance, early innovators

[10 Marks]