



UNIVERSITY OF SWAZILAND

Faculty of Health Science

Department of Environmental Health Sciences

Final Examination 2007

- TITLE OF PAPER : RISK ASSESSMENT, MANAGEMENT AND COMMUNICATION
- COURSE CODE : EHS 534
- DURATION : 3 HOURS
- MARKS : 100
- INSTRUCTIONS : READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
- : ANSWER ANY FIVE QUESTIONS
- : EACH QUESTION CARRIES 20 MARKS
- : NO PAPER SHOULD BE BROUGHT INTO NOR OUT OF THE EXAMINATION ROOM
- : BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER

DO NOT OPEN THE QUESTION PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR.

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Answer 5 questions

Question 1

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

Question 2

Define the different types of tasks categories and give one example for each type
[20 Marks]

Question 3

Explain 4 of the following:

- a) FTA
b) HAZOP
c) Preliminary hazard analysis
d) FMEA
e) Job safety analysis

[20 Marks]

Question 4

In a 2-hour session, you are to make a presentation to management on “**Risk assessment and management**”.

- a) Write the objectives of the session
[4 Marks]
- b) Write points to discuss in the session

[16 Marks]

Question 5

Explain the following:

- a) Occupational health and safety [3 Marks]
- b) Safety [3 Marks]
- c) Employer [3 Marks]
- d) Workplace [3 Marks]
- e) Health [3 Marks]
- f) Hazard identification process [5 Marks]

Question 6

What is task analysis and how does it contribute to occupational safety and health. [20 Marks]