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H.C. D. D. D.  
15/11/08*



# **UNIVERSITY OF SWAZILAND**

Faculty of Health Science

Department of Environmental Health  
Sciences

**Final Examination 2008/2009**

Title of paper: Risk Assessment, Management & Communication I

Course code: EHS 567

Time allowed: 2 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer Four 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 any four (4) questions**

**Question 1**

Define the following terms:

- a) Workplace and premises
- b) Risk assessment
- c) Health and safety
- d) Environment
- e) Prevention of pollution

[25 Marks]

**Question 2**

- a) Define in detail the hazard identification process
- b) Define the following hazard identification methods:
  - i. PHA
  - ii. FMEA
  - iii. FTA
  - iv. O & SHA

[5 Marks]

[20 Marks]

**Question 3**

- a) Define the four types of tasks
- b) Why is task analysis important?

[5 Marks]

[20 Marks]

**Question 4**

Explain in detail the preventive and reactive approach to risk assessment and management.

[25 Marks]

**Question 5**

- a) According to the Occupational Safety and Health Act 2001, what is an accident and how is it handled and reported.
- b) Explain the phases of the life cycle of a system.

[10 marks]

[15 Marks]