

**UNIVERSITY OF SWAZILAND**  
Faculty of Health Sciences

Department of Environmental Health Science

Final Examination  
May 2015

Title of paper: Management of Occupational Safety and Health

Course code: EHM 411

Time allowed: 2 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer any 4 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

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**Answer any 4 questions**

**Question 1**

The Occupational Safety and Health Act 2001 has a clause that requires companies to have a policy and a statement of the policy. In reference to the Act:

- a) State and write in detail five (5) components of an occupational safety and health policy [20 Marks]
- b) Outline the content of an occupational safety and health statement. [5 Marks]

**Question 2**

In relation to the Occupational Safety and Health Act 2001, outline;

- a. How an accident should be reported [4 Marks]
- b. How employees are protected from being victimized [5 Marks]
- c. Duties of the employer [8 Marks]
- d. Duties of the employee [8 Marks]

**Question 3**

- a) What is ISO? [1 Mark]
- b) Outline the provisions of the ISO 14001 Environmental Management System standards [8 Marks]
- c) Outline the provisions of the ISO 9001 Quality Management System standards [8 Marks]
- d) Outline the provisions of the OHSAS 18001 Occupational Health and Safety management system standards [8 Marks]

**Question 4**

Case study:

Two trainees, both under 18 years of age, are working unsupervised with a small firm, they have been asked to clean a large piece of machinery containing heavy steel rollers. They have been given paraffin and rags to carry out the job and have been supplied with cotton overalls. The work involves reaching to a height to clean the rollers. During the course of this activity their overalls become soaked with paraffin. It is a cold day and, at break time, they go and stand by a free standing paraffin stove. The paraffin on the overalls of one of the trainees vaporizes and his clothing bursts into flame. He tries to beat the flames out with his hands, but suddenly becomes engulfed in flames. The other trainee runs off to try and find a fire extinguisher.

In reference to the above case, answer the following:

- a) Analyse the accident using the Domino theory. [20 Marks]
- b) Make recommendations to prevent the accident occurring again. [5 Marks]

**Question 5**

- a) What are the objectives of developing a health and safety programme? [5 Marks]
- b) Discuss 10 elements of a health and safety programme? [20 Marks]