

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

Department of Environmental Health Science

Final Examination
2014

Title of paper: Institutional Environmental Health and Safety

Course code: EHS 532

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

Answer 4 questions

Question 1

Outline the main provisions of the occupational safety and health Act, 2001 that apply to:

- a) The Employer. [10 Marks]
- b) The Employee. [5 Marks]
- c) Accidents and diseases. [5 Marks]
- d) Labour department inspectors. [5 Marks]

[TOTAL 25 Marks]

Question 2

- a) How does occupational stress affect the worker and the company? [10 marks]
- b) Explain how the worker's health can be affected physically, mentally and socially at the workplace. [15 Marks]

[TOTAL 25 Marks]

Question 3

- a) What is Ergonomics? [3 Marks]
- b) Outline the ergonomic principles of designing a sitting workstation. [10 marks]
- c) What are the effects of shift work on health and safety? [6 Marks]
- d) What are the coping strategies for the shift worker? [6 marks]

[TOTAL 25 Marks]

Question 4

Outline:

- a) The provisions of the ISO 9001 Quality management system standards. [8 Marks]
- b) The provisions of the ISO 14001 Environmental management system standards. [8 Marks]
- c) The provisions of the OHSAS 18001 Occupational health and safety management system standards. [9 Marks]

[TOTAL 25 Marks]

Question 5

- a) What is a hazard? [1 Mark]
- b) Explain the 6 classifications of hazards in a workplace. Give 2 examples in each. [24 Marks]

[TOTAL 25 Marks]