

UNIVERSITY OF SWAZILAND
Faculty of Health Science

Department of Environmental Health Sciences

Final Examination 2010/2011

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 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

- a) What is biological monitoring? [2 Marks]
- b) What is working environment surveillance? [3 Marks]
- c) Describe the different types of medical examinations that employees can go through. State the importance of each type. [20 Marks]

QUESTION 2

- a) An Employee Assistance Programme can assist organizations to manage the health of their human resources? How? [5 Marks]
- b) Outline the design of an ergonomic sitting workstation. [10 Marks]
- c) According to the Workman's Compensation Act 1983: Who is and who is not to be compensated? [5 Marks]
- d) Outline 5 components of the Occupational health and safety management system standard – OHSAS 18001. [5 Marks]

QUESTION 3

Company X has just been established and you are hired as a safety officer. Explain the programmes or procedures you will put in place to ensure that accidents and incidents are minimized at all times.

[25 Marks]

QUESTION 4

a) Manual Material Handling (MMH) is a major concern in the manufacturing industry. As a safety officer outline what you will have to consider when developing intervention systems that will prevent injuries.

[15 Marks]

b) Outline the adverse health, safety and social effects of shift work.

[10 Marks]