



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DEGREE IN ENVIRONMENTAL HEALTH
FINAL EXAMINATION PAPER 2007/2008

TITLE OF PAPER	:	INSTITUTIONAL ENVIRONMENTAL HEALTH AND SAFETY
COURSE CODE	:	EHS 532
DURATION	:	2 HOURS
MARKS	:	100
INSTRUCTIONS	:	READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
	:	ANSWER ANY FOUR QUESTIONS
	:	EACH QUESTION CARRIES 25 MARKS
	:	WRITE NEATLY & CLEARLY
	:	NO PAPER SHOULD BE BROUGHT INTO NOR OUT OF THE EXAMINATION ROOM
	:	BEGIN EACH QUESTION ON A SEPARATE SHEET OF PAPER

DO NOT OPEN THIS QUESTION PAPER UNTIL PERMISSION IS GRANTED BY THE INVIGILATOR.

Answer any 4 questions

Question 1

- i) In relation to the Occupational Safety and Health Act 2001
Outline
- a) The duties of the Employer [8 Marks]
 - b) The duties of the Employee [5 Marks]
 - c) What is an accident [2 Marks]
 - d) How an accident should be reported [2 Marks]
- ii) What are the provisions of the (OHSAS 18001) Occupational Health and Safety Management System. [8 Marks]

Question 2

- a) What is Ergonomics? [3 Marks]
- b) Outline the ergonomic principles of designing a seat and work surface. [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]

Question 3

- a) What is a workplace? [3 marks]
- b) Discuss the relationship between the worker and the workplace from the time he/she is hired to his/her time of death at work. [12 Marks]
- c) Explain the different types of medical examinations that employees can go through. State their importance. [10 Marks]

Question 4

- a) Discuss the parts of the human hand
[6 Marks]

- b) How can a hand be adversely affected by hand tools?
[5 Marks]

- c) How can a hand tools be designed such that these effects are prevented?
[14 Marks]

Question 5

- a) The function of a health and safety management system is to ensure that the workplace is safe and without hazards to health. Outline eight (8) main elements of such a system.
[16 Marks]

- b) How does occupational stress affect the worker and the company?
[9 Marks]