

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
DEGREE IN ENVIRONMENTAL HEALTH
MAIN EXAMINATION PAPER 2013

TITLE OF PAPER : INSTITUTIONAL ENVIRONMENTAL HEALTH AND SAFETY

COURSE CODE : EHS 532

DURATION : 2 HOURS

MARKS : 100 MARK

INSTRUCTIONS :

- READ THE QUESTIONS & INSTRUCTIONS CAREFULLY**
- ANSWER ALL 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

What strategy can a company apply in managing employees' health at the workplace?
[25 marks]

Question 2

- a) Outline and briefly explain 4 ergonomic principles of hand tool design. [12 marks]
- b) i) Give 5 effects of shift work? [5 Marks]
- ii) What are the coping strategies for the worker with respect to shift work? [8 Marks]

Question 3

Discuss the five (5) factors to be considered in manual material handling and the intervention to be in place to prevent injuries
[25 marks]

Question 4

- a) What does ISO stand for? [1 Mark]
- b) Outline the provisions of the ISO 14001 Environmental management. 8 Marks]
- c) Outline the provisions of the ISO 9001 Quality management system. [8 Marks]
- d) Outline the provisions of the OHSAS 18001 Occupational health and safety management system. [8 Marks]

Question 5

Define the following terms:

- a) Muscles [4 Marks]
- b) Cumulative Trauma Disorder [4 Marks]
- c) Ligament [4 Marks]
- d) Work Related Upper Limb Disorders [4 Marks]
- e) Ergonomics [4 Marks]
- f) Occupational Health [5 Marks]