

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences
Department of Environmental Health Science

Main Examination 2013/2014

Title of paper: Industrial Hygiene Aspect of Plant Operation I

Course code: EHS 562

Time allowed: 2 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer all 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

Question 1

Farming is an industry with hazards that can be fatal and can also lead to disabilities:

- a) What is farming? [5 Marks]
- b) What hazardous activities are involved in farming? [10 Marks]
- c) Handling animals has dangers, explain the hazards of handling animals. [10 Marks]

Question 2

Discuss the following:

- a) Excavation and its hazards. [10 Marks]
- b) Five (5) safety guards of a machine. [15 Marks]

Question 3

- a) As a hygienist in an industry, what would your duties be? Outline 5 of them. [10 Marks]
- b) Outline and assess risks of any 5 hazards associated with a manufacturing industry [15 Marks]

Question 4

The construction industry is growing in Swaziland.

- a) Outline the hazards associated with the construction industry. [15 Marks]
- b) Every constructor must have a safety file – what should this file contain? [10 Marks]

Question 5

- a) Define risk assessment. [5 Marks]
- b) Using 2 examples of hazards, outline how you would assess the risk and how you would develop control measures. [20 Marks]