



UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DEGREE IN ENVIRONMENTAL HEALTH

FINAL EXAMINATION PAPER 2007/2008

TITLE OF PAPER	:	AIR SAMPLING ANALYSIS II
COURSE CODE	:	EHS 565
DURATION	:	2 HOURS
MARKS	:	75
INSTRUCTIONS	:	READ THE QUESTIONS & INSTRUCTIONS CAREFULLY
	:	ANSWER ALL 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.

Question 1

In relation to respirators

- a) What do you understand by respiratory protection? [2 Marks]
- b) Describe the operation of three types of respirators [15 Marks]
- c) Define the testing methods [8 Marks]

Question 2

As a safety officer outline what would be your strategy in developing control measures in order to reduce exposure of workers to airborne contaminants. Give an example in each method

[25 Marks]

Question 3

- a) Describe 4 factors for determining the selection of an air cleaning device [16 Marks]
- b) Define 3 groups of cleaning air devices [9 Marks]