

UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

Department of Environmental Health Science

Main Examination 2013

BSc. in Environmental Health Science

Title of paper:

WATER QUALITY MANAGEMENT 1

Course code:

EHS 582

Time allowed:

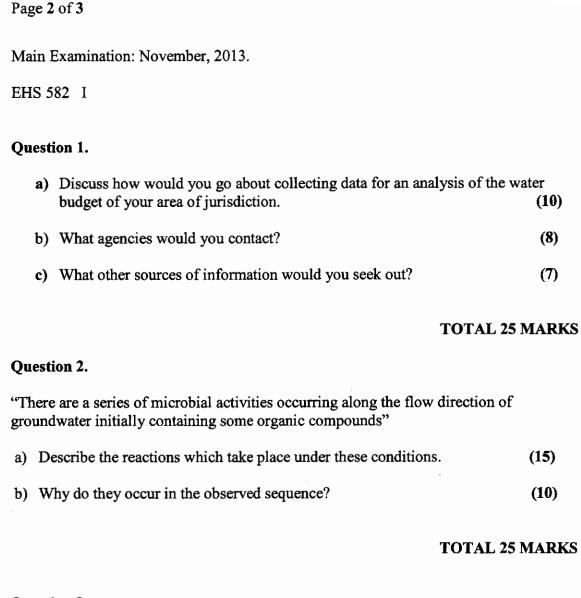
2 HOURS

Marks allocation: 100 Marks

Instructions:

- Answer ANY FOUR questions 1)
- 2) Each question is weighted 25 marks
- 3) Write neatly and clearly
- Begin each question in a separate sheet of paper 4)

This paper is not to be opened until the invigilator has granted permission



Question 3.

- a) With an aid of a diagram sketch a Water Resources System and corresponding types of standards and/or regulations that can be applied to manage water quality. (15)
- b) What are the corresponding monitoring points in this system? (10)

TOTAL 25 MARKS

Page 3 of 3	
Question 4.	
Write short notes on the Public Health Impacts of the following	F
a) Water and Diseases.	(5)
b) Waterborne mechanism.	(5)
c) Water based mechanism.	(5)
d) Water washed mechanism.	(5)
e) Insect vector mechanism.	(5)
	TOTAL 25 MARKS
Question 5.	
The so called Vollenweider Model is commonly used for predict Lakes and Reservoirs.	ction of eutrofication in
a) Discuss the assumptions that are made in developing this mo	del. (15)
b) By means of a diagram describe this model.	(10)
	TOTAL 25 MARKS