



UNIVERSITY OF SWAZILAND
Faculty of Health Science

Department of Environmental Health
Sciences

Supplementary Examination 2011

Title of paper: RURAL WATER SUPPLY TECHNOLOGY

Course code: EHS 212

Time allowed: 2 hours

Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer All questions
- 3) Each question is weighted 25 marks
- 4) Write neatly and clearly
- 5) Begin each question in a separate sheet of paper

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

Supplementary Examination : July 2011

EHS 212

QUESTION 1.

- a) What are the common sources of pollution in rivers? (10)
- b) State in detail how would you take samples from a river for bacteriological analysis and the information you would take at the same time. (15)

QUESTION 2.

Describe the Four (4) disease transmission mechanism related to water supply and sanitation giving at least two diseases under each mechanism. (25)

QUESTION 3.

Physical water quality parameters define those characteristics of water that respond to the senses of sight, touch, taste and smell:

Describe the sources and impacts of taste and odors in water supplies. (25)

QUESTION 4.

Describe Five (5) methods of water purification in small scale that can be adapted by rural communities. (25)