

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

DIPLOMA IN ENVIRONMENTAL HEALTH

FINAL EXAMINATION PAPER 2010

TITLE OF PAPER	:	RURAL EXCRETA DISPOSAL
COURSE CODE	:	EHS 216
DURATION	:	2 HOURS
MARKS	:	100 MARK
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 ONE

Most communicable diseases in Swaziland are excreta related. Describe **five actions** that must be taken to control excreta borne diseases in Swaziland or Zimbabwe stating the **five advantages** of achieving total sanitary disposal of human excreta [25 marks]

QUESTION TWO

1. Describe the **five transmission routes** of a pathogen from excreta to susceptible host and **explain preventive** measures of each route. [20 marks]
2. Describe the **operation an enviro loo** method of excreta disposal. [5 marks]

QUESTION THREE

You are in charge of an area in the rural Swaziland with a population of about 10 000 connected to pipe water supply but no sewerage services. You are asked to design and site septic tanks for each homestead, with an aid of a sketch explain how will you go about **conducting necessary investigation and design** of the sanitary facility mentioned. [25 Marks]

QUESTION FOUR

Using sketches describe the **design** and **operations** of **five sanitary accommodations** suitable for rural areas in Africa where water supply is scarce. **What are the precautions** that ought to be taken in the maintenance of each of the method you mentioned? [25 marks]