

THE UNIVERSITY OF SWAZILAND

FINAL EXAMINATION

MAY 2007

M.Sc.

TITLE OF PAPER : ENVIRONMENTAL GEOMORPHOLOGY

COURSE NUMBER : ERM 624

TIME ALLOWED : THREE (3) HOURS

**INSTRUCTIONS : ANSWER ANY TWO QUESTIONS
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS AND EXAMPLES**

MARKS ALLOCATED : ALL QUESTIONS CARRY 50 MARKS EACH

**THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN
GRANTED BY THE INVIGILATOR**

ANSWER ANY TWO QUESTIONS

QUESTION 1:

Use a flow diagram to discuss the most important geomorphological processes and products that result in the system of transfers, storages and outputs processes on a soil-covered slope erosion system that emanates from the side slope.

(50 marks)

QUESTION 2:

'The land degradation problem is less of physical and agronomic understanding including conservation techniques and more of failure of programmes and policies in developing countries.' Discuss the validity of this statement.

(50 marks)

QUESTION 3:

'The geomorphologist must be able to translate scientific information for the client, and also be sensitive to responsibilities and views of co-researchers.' Discuss the validity of this statement.

(50 marks)

QUESTION 4:

Using appropriate examples from the Southern African Development Community (SADC), discuss the application of geomorphological information for the attainment of sustainable development.

(50 marks)