UNIVERSITY OF SWAZILAND DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

MAIN EXAMINATION:

MAY, 2012

M.Sc.

TITLE OF PAPER

: CLIMATE CHANGE AND ENVIRONMENT

COURSE NUMBER

ERM 621

TIME ALLOWED

THREE (3) HOURS

INSTRUCTIONS

ANSWER ANY TWO QUESTIONS

ILLUSTRATE YOUR ANSWERS WITH

APPROPRIATE DIAGRAMS

MARKS ALLOCATED

: ALL QUESTIONS CARRY EQUAL MARKS

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

ERM 621: CLIMATE CHANGE AND THE ENVIRONMENT

ANSWER ANY TWO QUESTIONS

QUESTION 1

'Climate will always change'. Discuss the validity of the statement. (50 marks)

QUESTION 2

(a) Explain the sources of greenhouse gases. (15 marks)

(b) Discuss how the greenhouse gases influence climate change. (35 marks)

(50 marks)

QUESTION 3

Discuss how climate change will impact almost all sectors of the human endeavor.

(50 marks)

QUESTION 4

(a) Discuss the suitability of the proposed adaptation strategies to the impacts of climate change in the sector of water and agriculture to Swaziland. (50 marks)