UNIVERSITY OF SWAZILAND DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

MAIN EXAMINATION:

MAY, 2013

MSc.

TITLE OF PAPER

:CLIMATE CHANGE AND THE ENVIRONMENT

COURSE NUMBER

ERM 621

:

:

TIME ALLOWED

THREE (3) HOURS

INSTRUCTIONS

ANSWER ANY TWO QUESTIONS

ILLUSTRATE YOUR ANSWERS WITH APPROPRIATE DIAGRAMS WHERE

NECESSARY

MARKS ALLOCATED

ALL QUESTIONS CARRY 50 MARKS EACH

TOTAL MARK: 100

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

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Discuss the causes of climate change.

(50 marks)

QUESTION 2

Discuss the effectiveness of the United Nations Framework Convention on Climate Change (UNFCCC) in controlling atmospheric greenhouse gases emissions. (50 marks)

QUESTION 3

'The African continent is expected to be hit hard by Climate change'. Discuss the validity of this statement. (50 marks)

QUESTION 4

Discuss the sources of uncertainty in future climate projections by General Circulation Models (GCMs). (50 marks)