

UNIVERSITY OF SWAZILAND

DEPARTMENT OF GEORAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

MAIN EXAMINATION: MAY, 2018

MSc

TITLE OF PAPER : CLIMATE CHANGE AND THE ENVIRONMENT

COURSE NUMBER : GEP632

TIME ALLOWED : THREE (3) HOURS

INSTRUCTIONS : ANSWER ONE QUESTION FROM EACH SECTION
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS

MARKS ALLOCATED : ALL QUESTIONS CARRY 50 MARKS EACH

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

(May, 2018)

ERM 621/GEP 632: CLIMATE CHANGE AND THE ENVIRONMENT

SECTION A: ANSWER ONE QUESTION

QUESTION 1

‘Climate change will always take place’. Discuss the validity of this statement.

(50 Marks)

QUESTION 2

(a) With the help of chemical equations, explain how the ozone layer is generated in the stratosphere. (25 marks)

(b) Discuss the consequences of ozone layer depletion. (25 marks)

(50 Marks)

SECTION B: ANSWER ONE QUESTION

QUESTION 3

Explain the approaches used to downscale climatic information generated by General Circulation Models (GCMs) giving the advantages and disadvantages of each. **(50 Marks)**

QUESTION 4

Discuss the key issues concerning the politics of climate change.

(50 Marks)