

UNIVERSITY OF ESWATINI

**DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND
PLANNING**

FINAL EXAMINATION – MAY/JUNE, 2020

MSc.

TITLE PAPER: CLIMATE CHANGE AND THE ENVIRONMENT

COURSE CODE: GEP632

TIME ALLOWED: THREE HOURS

INSTRUCTIONS:

- 1. ANSWER ONE QUESTION FROM EACH SECTION.**
- 2. WHERE APPROPRIATE, ILLUSTRATE YOUR ANSWERS WITH EXAMPLES AND DIAGRAMS.**

MARKS ALLOCATION: ALL QUESTIONS CARRY FIFTY (50) MARKS EACH.

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

GEP632: CLIMATE CHANGE AND THE ENVIRONMENT – MAY/JUNE, 2020

SECTION A: ANSWER ONE QUESTION

QUESTION 1

'The natural greenhouse gas emissions are beneficial to our environment; however, the greenhouse gases emitted by humans have disrupted the natural balance between radiation and emission'. Discuss the validity of the statement.

(50 Marks)

QUESTION 2

'Climate change is not a new phenomenon, but has been happening since the world came to existence. The Industrial Revolution of the 17th century only came to compound the climate change problem'. Discuss

(50 Marks)

SECTION B: ANSWER ONE QUESTION

QUESTION 3

- a) Discuss how the projected changes in climate will affect agrarian-based economies. (15 marks)
- b) With reference to the Kingdom of Eswatini, explain the measures taken to adapt the agricultural sector to the changing climate. (15 marks)
- c) Discuss the impacts of climate change on the natural system (20 marks)

(50 Marks)

QUESTION 4

Discuss the politics of climate change with reference to the expiration of the Kyoto Protocol in 2012.

(50 Marks)
