

**UNIVERSITY OF ESWATINI**

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

**FINAL EXAMINATION – NOVEMBER, 2021**

**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 – NOVEMBER, 2021**

**SECTION A: ANSWER ONE QUESTION**

**QUESTION 1**

"While natural sources of climate variability are significant, multiple lines of evidence indicate that human influences have had an increasingly dominant effect on global climate warming observed since the mid-twentieth century" (American Physical Society, 2015:1). Discuss.

**(50 Marks)**

**QUESTION 2**

a) Discuss the Milankovitch theory in relation to its role in Earth's Climate.

(25 marks)

b) Critically discuss the scientific consensus and/or position that the Milankovitch theory cannot explain the current warming of the Earth's Climate.

(25 marks)

**(50 Marks)**

**SECTION B: ANSWER ONE QUESTION**

**QUESTION 3**

With reference to Eswatini, discuss climate change financing mechanism and the challenges faced by the country (and other global South countries) in accessing and managing climate finance.

**(50 Marks)**

**QUESTION 4**

Eswatini has an agrarian-based economy. Discuss how climate change has impacted on this economy, and what measures have been taken to adapt the sector to the changing climate.

**(50 Marks)**

\*\*\*\*\*