

UNIVERSITY OF SWAZILAND

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

FINAL EXAMINATION

TITLE OF PAPER : Physical Resources

COURSE NUMBER : GEP 216

TIME ALLOWED : 3 hours

**INSTRUCTIONS : SECTION A IS COMPULSORY
ANSWER ANY TWO QUESTIONS
FROM SECTION B
ILLUSTRATE YOURS ANSWERS
APPROPRIATE DIAGRAMS**

**MARKS ALLOCATED : QUESTION 1 CARRIES 40 MARKS
THE OTHER QUESTIONS CARRY
30 MARKS EACH**

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

SECTION A: COMPULSORY QUESTION

QUESTION 1

Discuss how the concept of Plate Tectonics contributes to our current knowledge of the Earth.

- (i) In a geographical and historical context; (14 marks)
 - (ii) In an economic context; (13 marks)
 - (iii) In a biological context. (13 marks)
- (40 marks)**

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2:

Explain the most significant impacts of erosion and weathering in Swaziland.

(30 marks)

QUESTION 3:

- (i) Discuss why globally increasing temperatures are a risk for human beings (15 marks)
 - (ii) Explain why the present climatic conditions should be maintained (15 marks)
- (30 marks)**

QUESTION 4:

Using examples describe some of the non-renewable physical resources of Swaziland that are currently under strong environmental threat. (30 marks)

QUESTION 5:

- (i) Profitability (10 marks)
- (ii) Economic growth (10 marks)
- (iii) Environmental sustainability. (10 marks)

Discuss these terms by using examples from the mining industry of Swaziland.
(30 marks)