

UNIVERSITY OF SWAZILAND

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING

SUPPLEMENTARY EXAMINATION: JULY, 2015

TITLE OF PAPER : PHYSICAL RESOURCES

COURSE NUMBER : GEP 216

TIME ALLOWED : THREE (3) HOURS

INSTRUCTIONS : SECTION A IS COMPULSORY

**ANSWER 2 QUESTIONS FROM SECTION B
ILLUSTRATE YOUR ANSWERS WITH
APPROPRIATE DIAGRAMS WHERE NECESSARY**

**MARKS ALLOCATED : QUESTION ONE CARRIES 40 MARKS, AND THE
OTHER QUESTIONS CARRY 30 MARKS EACH**

TOTAL MARKS: 100

**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 has helped to understand how the surface of Earth was formed.

- a) In a geological context (20 marks)
 - b) In an economical context (10 marks)
 - c) In a biological context (10 marks)
- (40 marks)**

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2:

- a) Discuss why globally increasing temperatures are a risk for human beings. (15 marks)
 - b) Discuss the importance of maintaining the current climatic conditions in view of the risk to humans arising from global warming. (15 marks)
- (30 marks)**

QUESTION 3:

Discuss why non-renewable resources for at least in the near future will still play a major role in satisfying the energy sector of Swaziland.

(30 marks)

QUESTION 4:

- a) Outline the properties of igneous rocks found in Swaziland (15 marks)
 - b) Give examples of igneous rocks that are currently of economic significance for Swaziland. (15 marks)
- (30 marks)**

QUESTION 5:

Give an overview of the major different landforms occurring in Swaziland and explain for which kind of exploitation these may respectively serve.

(30 marks)