

**UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE
AND PLANNING
SUPPLEMENTARY EXAMINATION, JULY 2007**

TITLE OF PAPER: PHYSICAL RESOURCES

COURSE CODE: GEP 216

TIME ALLOWED: THREE HOURS

**INSTRUCTIONS: ANSWER ONE QUESTION
FROM SECTION A AND ANY
TWO QUESTIONS FROM
SECTION B**

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

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GRANTED BY THE INVIGILATOR**

SECTION A

QUESTION 1 (COMPULSORY)

- a. Give an account of atmospheric motion. [15 marks]
 - b. Explain the various factors which influence highland climates. [10 marks]
 - c. Discuss the role of the greenhouse gases in climate change. [15 marks]
- [40 marks]

SECTION B

ANSWER ANY TWO QUESTIONS

QUESTION 2

Describe how climate affects the rate and processes of weathering in the humid and arid tropics. [30 marks]

QUESTION 3

Describe the main categories of rocks and minerals comprising the earth's surface. [30 marks]

QUESTION 4

With the aid of labeled diagrams, discuss the various extrusive and intrusive volcanic features. [30 marks]

QUESTION 5

Discuss the natural and human causes of mass wasting. [30 marks]