

**UNIVERSITY OF SWAZILAND**

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

**FINAL EXAMINATION: MAY, 2010**

**BA II**

**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 physical resources of Swaziland have contributed to the economic growth of the country.

(i) In the mining industry (14 marks)

(ii) In national parks and game reserves (13 marks)

(iii) In ground water management (13 marks)

**(40 MARKS)**

## **SECTION B: ANSWER ANY TWO QUESTIONS**

### **QUESTION 2:**

Using examples describe lakes in Africa that are characterized by an abnormally high salinity and alkalinity. Give reasons for this specific composition and where do such lakes normally occur. (30 marks)

### **QUESTION 3:**

Profitability – Economic Growth – Environmental Sustainability. Discuss these terms by using examples from the mining industry in Swaziland.

**(30 marks)**

### **QUESTION 4:**

Discuss why globally increasing temperatures are a risk for human beings, and why should therefore the present climatic conditions be maintained.

**(30 marks)**

### **QUESTION 5:**

Using examples describe sedimentary, igneous and metamorphic rocks that yield specific physical resources. (30 marks)