

**UNIVERSITY OF SWAZILAND**

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

**FINAL EXAMINATION: DECEMBER, 2009**

**BSc. IV**

**TITLE OF PAPER : RESOURCES MANAGEMENT**

**COURSE NUMBER : GEP 434**

**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 the best and most sustainable way of managing the following physical resources in Swaziland.

- |                |                   |
|----------------|-------------------|
| (i) Coal       | (14 marks)        |
| (ii) Forests   | (13 marks)        |
| (iii) Wetlands | (13 marks)        |
|                | <b>(40 marks)</b> |

**SECTION B: ANSWER ANY TWO QUESTIONS**

**QUESTION 2:**

Using examples discuss the state of art of the so-called 6<sup>th</sup> extinction and compare it with other events of mass extinctions during the history of Earth.

**(30 marks)**

**QUESTION 3:**

Discuss the role of the mining industry in improving economic growth in Swaziland.

**(30 marks)**

**QUESTION 4:**

Discuss how the establishment of National Parks and Game Reserves contributes to sustainable land use.

**(30 marks)**

**QUESTION 5:**

Describe the economic significance and occurrence of coltan ore in Africa.

**(15 marks)**

Discuss how the exploitation of coltan ore has led to political turmoil in the central African region.

**(15 marks)**

**(30 marks)**