

UNIVERSITY OF SWAZILAND

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

FINAL EXAMINATION: DECEMBER 2015

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:

- a) Mining industries (14 Marks)
 - b) National Parks and Game Reserves (13 Marks)
 - c) Wetlands and indigenous forests (14 marks)
- (40 Marks)**

SECTION B: ANSWER ANY TWO (2) QUESTIONS**QUESTION 2**

- a) Describe the economic significance of the occurrence of coltan ore in Africa (15 Marks)
 - b) Discuss how the exploitation of coltan ore has led to political turmoil in the central African region. (15 Marks)
- (30 Marks)**

QUESTION 3

- a) Discuss possible reasons why workers in the mining industry are more vulnerable to HIV and AIDS. (15 Marks)
 - b) Evaluate the efforts that have to be undertaken by the community/mining companies/NGOs and the Government to reduce the extremely high rates of HIV/AIDS infections. (15 Marks)
- (30 marks)**

QUESTION 4

- a) Using examples, discuss the state of art of the so-called 6th extinction. (15 Marks)

- b) Compare the 6th extinction with other events of mass extinction during the history of Earth.

(15 Marks)

(30 Marks)

QUESTION 5

- a) Compare renewable and non-renewable energy resources in respect of sustainability, usefulness and costs.

(15 Marks)

- b) Evaluate their respective use as applied globally and specifically in Swaziland.

(15 Marks)

(30 Marks)