

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING
FINAL EXAMINATION, MAY 2018
BA. Hums, B. Ed. & IDE

TITLE OF PAPER: PHYSICAL RESOURCES

COURSE NUMBER: GEP 212/216

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

- 1. ANSWER THREE QUESTIONS**
- 2. QUESTION 1 IS COMPULSORY**
- 3. ILLUSTRATE YOUR ANSWERS WITH
EXAMPLES AND CLEARLY DRAWN DIAGRAMS
WHERE APPROPRIATE**

**ALLOCATION OF MARKS: QUESTION 1 (COMPULSORY) CARRIES
40 MARKS WHILE THE REST CARRY 30
MARKS EACH**

**THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION IS GRANTED BY
THE INVIGILATOR**

GEP212/216: PHYSICAL RESOURCES – MAY 2018

SECTION A: COMPULSORY

QUESTION 1

‘Swaziland currently imports about 80% of its electricity, mainly from South Africa and this electricity is mainly produced from non-renewable resources’.

- a) In line with the above statement discuss how and where the remaining percentage of electricity is produced in the country. (10 marks)
 - b) Discuss at least three (3) options Swaziland could implement to minimise its reliance on imported electricity. In your discussion also consider the advantages and disadvantages of each suggested option. (30 marks)
- (40 Marks)**

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2

- a) What are geo-environmental hazards? (5 marks)
 - b) Discuss geo-environmental hazards, with specific reference to Swaziland and what can be done to minimize their impact. (25 marks)
- (30 Marks)**

QUESTION 3

- a) Compare and contrast between natural and anthropogenic climate change. (15 marks)
 - b) What is ozone and why is it important to be studied in geography? (15 marks)
- (30 Marks)**

QUESTION 4

- a) Discuss the three processes through which rock metamorphism can take place. (15 marks)
 - b) Briefly discuss five properties of minerals. (15 marks)
- (30 Marks)**

QUESTION 5

- a) Explain briefly why Japan is more likely to be affected by earthquakes and volcanoes as opposed to Swaziland. (10 marks)
 - b) Using examples explain how volcanoes and earthquakes can assist to explain the theory of plate tectonics. (20 marks)
- (30 Marks)**