

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING
RESIT EXAMINATION, JULY 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 – JULY 2018

SECTION A: COMPULSORY

QUESTION 1

- a) What are fossils and how are they used in paleo-geography? (5 marks)
 - b) Discuss how Swaziland's economic growth is linked to its physical resources. (10 marks)
 - c) Discuss renewable and non-renewable energy resources used in Swaziland and state the advantages and disadvantages of each. (25 marks)
- (40 Marks)**

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2

- a) Briefly discuss the role of the hydrological cycle. (15 marks)
 - b) Briefly discuss factors controlling climate on Earth. (15 marks)
- (30 Marks)**

QUESTION 3

- a) Discuss the dangers of greenhouse gases. (15 marks)
 - b) Discuss measures that are necessary to reduce the further increase of greenhouse gases worldwide. (15 marks)
- (30 Marks)**

QUESTION 4

Discuss weathering in the context of the Highveld and Lowveld of Swaziland.

(30 Marks)

QUESTION 5

Briefly discuss the following mass wasting processes as well as methods of preventing or minimising their occurrence.

- a) Slump (6 marks)
 - b) Mudflow (6 marks)
 - c) Landslide (6 marks)
 - d) Creep (6 marks)
 - e) Fall (6 marks)
- (30 Marks)**