

UNIVERSITY OF ESWATINI
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING
FINAL EXAMINATION, MAY/JUNE 2019
BA. Hums, B. Ed. & IDE

TITLE OF PAPER: PHYSICAL RESOURCES

COURSE NUMBER: GEP212

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: PHYSICAL RESOURCES – MAY/JUNE 2019

SECTION A: COMPULSORY

QUESTION 1

- a) Define the following terms:
 - i) Volcanic Hot Spots (5 marks)
 - ii) Geo-environmental hazard (5 marks)
 - b) Discuss the role of the hydrological cycle. (15 marks)
 - c) Discuss factors controlling climate on Earth. (15 marks)
- (40 Marks)**

SECTION B: ANSWER ANY TWO QUESTIONS

QUESTION 2

- a) Discuss any three mineral resources mined in Eswatini and how their uses have contributed to economic growth. (15 marks)
 - b) Discuss renewable and non-renewable energy resources used in Eswatini and state the advantages and disadvantages of each. (15 marks)
- (30 Marks)**

QUESTION 3

Discuss how physical resources of Eswatini have contributed to the economic growth of the country in the following sectors:

- a) The manufacturing sector. (15 marks)
 - b) The agricultural sector. (15 marks)
- (30 Marks)**

QUESTION 4

With the aid of a diagram, explain how thermal and dynamic metamorphism of granite and shale takes place at a tectonic plate sub-duction zone.

(30 Marks)

QUESTION 5

Discuss in detail the features found associated with the various tectonic boundaries **(30 Marks)**