



EXAMINATIONS COUNCIL OF ESWATINI  
Junior Certificate Examination

CANDIDATE  
NAME

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CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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**GEOGRAPHY**

**527/02**

Paper 2 Geographical skills

**October/November 2022**

**1 hour 45 minutes**

Candidates answer on the question paper.

Additional Materials:

Calculator

Ruler

Plain paper

Pencil

1:50 000 Survey Map extract enclosed with this paper.

**READ THESE INSTRUCTIONS FIRST**

Write your name, Centre number and candidate number in the spaces provided.

Write in **dark blue** or **black** pen.

You may use a soft pencil for any diagrams, graphs, tables or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The number of marks is given in brackets [ ] at the end of each question or part question.

<b>For Examiner's Use</b>	
Question 1	
Question 2	
Question 3	
Question 4	
<b>Total</b>	

This document consists of **7** printed pages and **1** blank page.

1 Study the map extract of the Great Riversdale Estates (Zimbabwe) and answer the following questions:

(a) What is the contour interval of the map?  
..... [1]

(b) List any **two** features of a good map that are shown on the map.  
1.....  
2..... [2]

(c) State the type of road found in grid square 8166.  
..... [1]

(d) Give the six-figure grid reference of the point where the wide tarred road crosses the railway line in the northern part of the map.  
..... [1]

(e) (i) What is the compass direction of Ndelicot hill in grid square 7871 from Gwirawakanya hill in grid square 8269?  
..... [1]

(ii) Measure the grid bearing in degrees from Gwirawakanya hill to Ndelicot hill.  
..... [1]

(iii) Measure the straight line distance between Gwirawakanya hill to Ndelicot hill.  
..... [1]

(iv) The height of Ndelicot hill is 1418 meters and Gwirawakanya hill is 1509 meters.  
Calculate the gradient between the two hills.  
.....  
.....  
.....  
..... [2]

(f) List any **three** pieces of evidence which show that mining is carried out in the Great Riversdale Estates.  
1.....  
2.....  
3..... [3]

(g) (i) Identify the main settlement pattern shown in grid square 8664.  
..... [1]

(ii) Give **one** reason why the north-western part of the map is without settlements.  
..... [1]

**[Total: 15 marks]**

2 (a) Define *stratified sampling*.

.....  
..... [1]

(b) State any **one** disadvantage of a pilot survey.

.....  
..... [1]

(c) Identify any **two** sources of primary data.

1.....  
2..... [2]

(d) Name any **one** way of presenting data collected from fieldwork.

..... [1]

**[Total: 5 marks]**

3 (a) Study Fig.1 which shows the rate and depth at which weathering occurs.

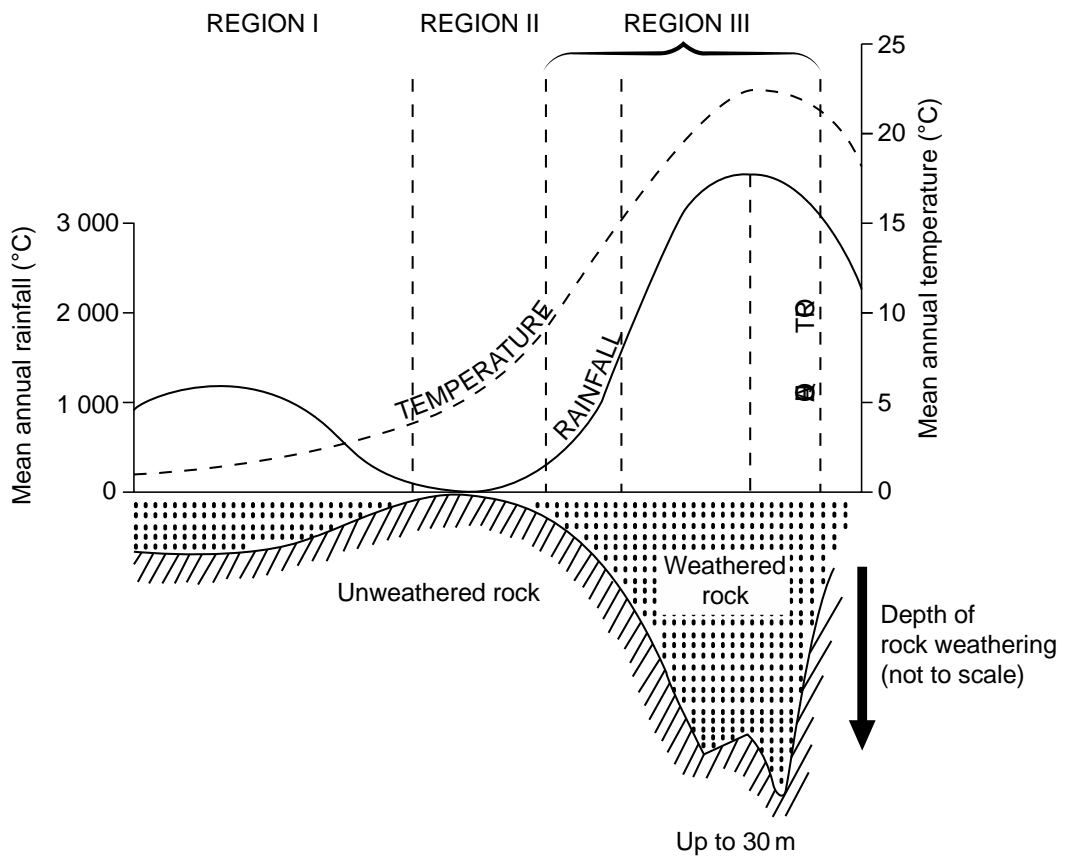


Fig.1

(i) Using Fig.1, list **two** climatic conditions that influence weathering.

- 1..... [2]
- 2..... [2]

(ii) Using Fig.1, name the region where the rate of weathering is high.

- ..... [1]

(iii) State any **two** processes of chemical weathering.

- 1.....
- .....
- 2.....
- ..... [2]

(b) Study Fig. 2 which shows a type of rainfall.

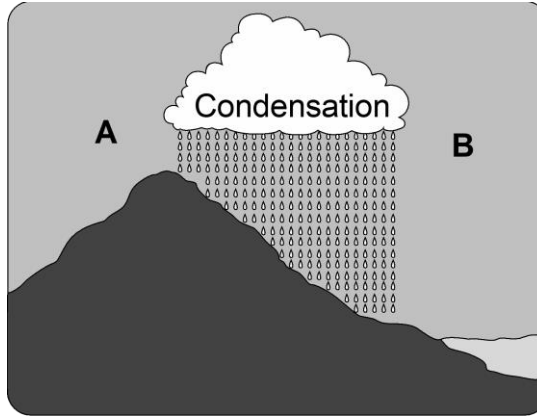


Fig. 2

(i) What is the type of rainfall shown in Fig. 2?  
..... [1]

(ii) Name the sides of the mountain labelled A and B.  
A .....  
B ..... [2]

(iii) Describe the atmospheric processes involved in the formation of the type of rainfall shown in Fig. 2.  
.....  
.....  
.....  
.....  
.....  
.....  
..... [2]

[Total: 10 marks]

- 4 (a) Study Table 1 which shows characteristics of low and high-order goods.

Table 1

	Low-order	High-order
<b>Pricing</b>	.....	Expensive
<b>Frequency of buying</b>	Everyday	.....
<b>Range travelled</b>	.....	Long distance
<b>Example</b>	Bread	.....

- (i) Complete Table 1 by filling in the missing characteristics. [4]

- (ii) Where are low-order goods **mainly** found?

Rural settlement **OR** Urban settlement?

(Circle the correct answer)

[1]

- (b) Study Fig. 3 which shows push and pull factors that cause people to migrate.



- Lack of jobs
- Lack of services
- Poverty
- Persecution
- War
- Natural disasters
- Political stability
- Access to better services
- Employment opportunities
- Entertainment
- Attractive environment

Fig. 3

- (i) Define *push factors*.

.....  
 ..... [1]

- (ii) List any **two** pull factors that are shown in Fig. 3.

1.....  
 2..... [2]

- (iii) Suggest any **two** effects of migration on the receiving areas.

1.....  
 2..... [2]

[Total:10 marks]

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