



EXAMINATIONS COUNCIL OF ESWATINI
Junior Certificate Examination

CANDIDATE
NAME

--

CENTRE
NUMBER

--	--	--	--

CANDIDATE
NUMBER

--	--	--	--

GEOGRAPHY

527/02

Paper 2 Geographical skills

October/November 2021

Candidates answer on the question paper

1 hour 45 minutes

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.

For Examiner's Use	
Question 1	
Question 2	
Question 3	
Question 4	
Total	

This document consists of **8** printed pages.

1 Study the map extract of Shamva and answer the following questions:

(a) Name any **one** method used on a map to show altitude.
..... [1]

(b) What is the name of the feature found in 437720?
..... [1]

(c) List **two** river features found at grid square 4486.
1
2 [2]

(d) Identify the **main** drainage pattern found at grid square 5072.
..... [1]

(e) What is the direction of flow of the Nyagui river found in the South Eastern part of the map.
..... [1]

(f) Measure the bearing of the trigonometrical station on Masimbe mountain (4773) from the peak of Rupara mountain (4370).
..... [1]

(g) (i) Measure the distance in metres along the wide tarred road from the bridge (4890) to the junction at grid square (4785).
..... [1]

(ii) The height of the road at grid square (4890) is 900m and the height of the road at junction (4785) is 940 m. Calculate the gradient of the slope along the road.
.....
.....
..... [2]

(h) Identify **two** recreational facilities shown in the town of Shamva.
1
2 [2]

(i) Name the settlement pattern shown in grid square 5170?
..... [1]

(j) Using map evidence only, state **two** factors that favour the location of Shamva mine found to the south of Shamva town.

- 1
- 2 [2]

[Total:15 marks]

- 2 (a) Identify the last step when one carries out a research.
..... [1]
- (b) List **two** aims of carrying out a research.
- 1
- 2 [2]
- (c) Students at a secondary school were making counts on different modes of transport; bicycles, buses, motor-vehicles and trains.
What type of graph would the students use to show their results?
..... [1]
- (d) State **one** disadvantage of conducting traffic counts.
..... [1]

[Total: 5 marks]

3 (a) Study Fig. 1, which shows a volcanic cone.

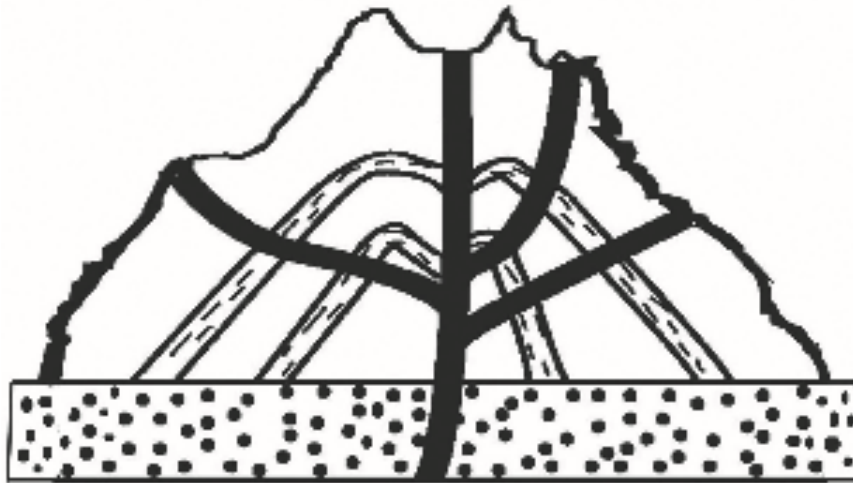


Fig. 1

(i) Name the type of volcanic cone shown in Fig. 1.
..... [1]

(ii) Describe **four** features of the volcanic cone shown in Fig. 1.
.....
.....
.....
..... [4]

(b) Study Fig. 2, which shows a climatic graph of a certain region.

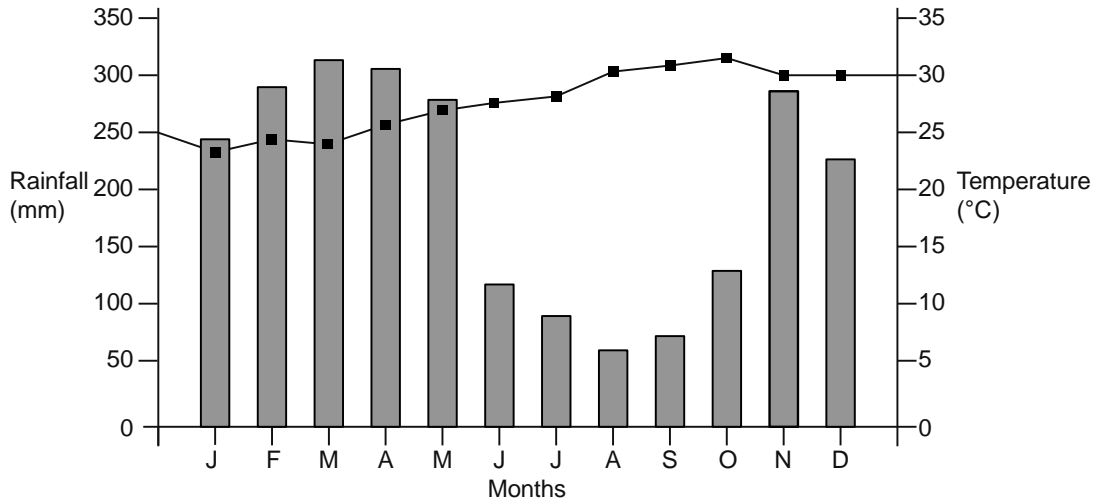


Fig. 2

- (i) State the month with the highest amount of rainfall.
..... [1]
- (ii) State the month with the lowest amount of rainfall.
..... [1]
- (iii) Calculate the annual temperature range for this region.
.....
..... [2]
- (iv) Describe the rainfall pattern shown in Fig. 2.
..... [1]

[Total: 10 marks]

4 POPULATION AND SETTLEMENT

(a) Study Fig. 3, which shows a land use model of a town.

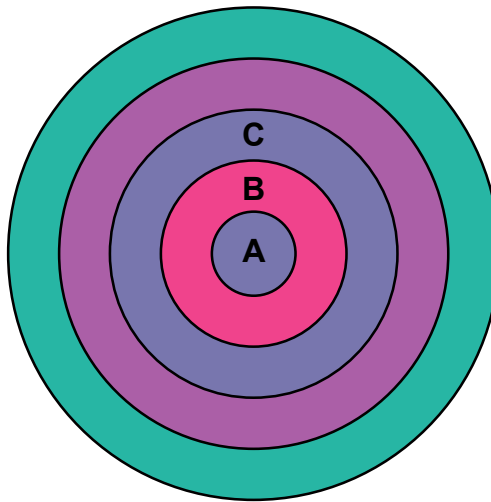


Fig. 3

- (i) What is the name of the model shown in Fig. 3?
 [1]
- (ii) Identify the zones marked as **B** and **C**.
 Zone **B**
 Zone **C** [2]
- (iii) Explain the shape of the model shown in Fig. 3.

 [2]

(b) Study Fig. 4, which shows a population pyramid.

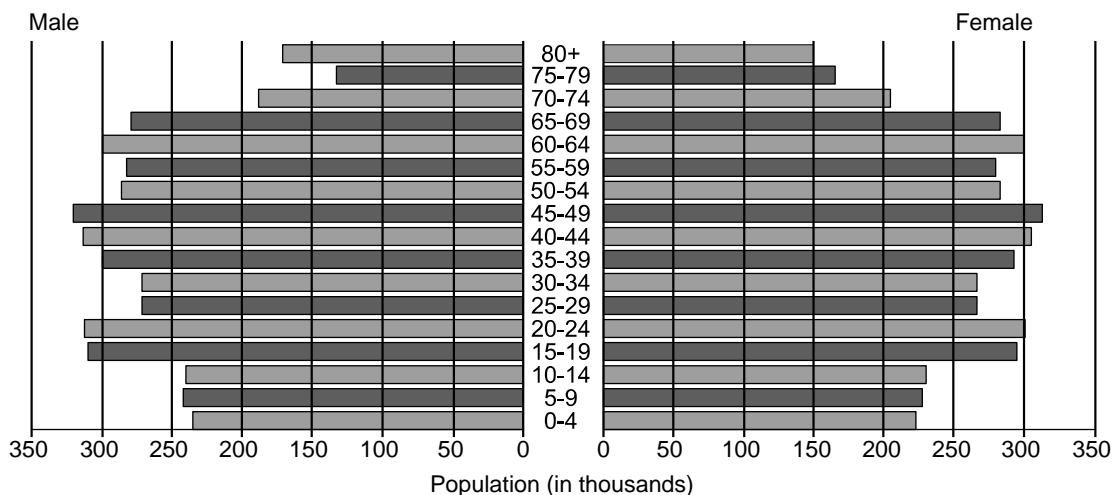


Fig. 4

- (i) Name the type of population pyramid shown in Fig. 4.
.....[1]
- (ii) How many females are aged 0-4 years?
..... [1]
- (iii) Describe the shape of the population pyramid shown in Fig. 4.
.....
.....
..... [2]
- (iv) How would the shape of the pyramid change if HIV/AIDS were to lead to an increase in deaths?
..... [1]

[Total: 10 marks]

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (ECESWA) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.