



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 2024**

**2 hours**

Candidates answer on the question paper.

Additional materials: Calculator

Ruler

Plain paper

Pencil

Protractor

Set square

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>	

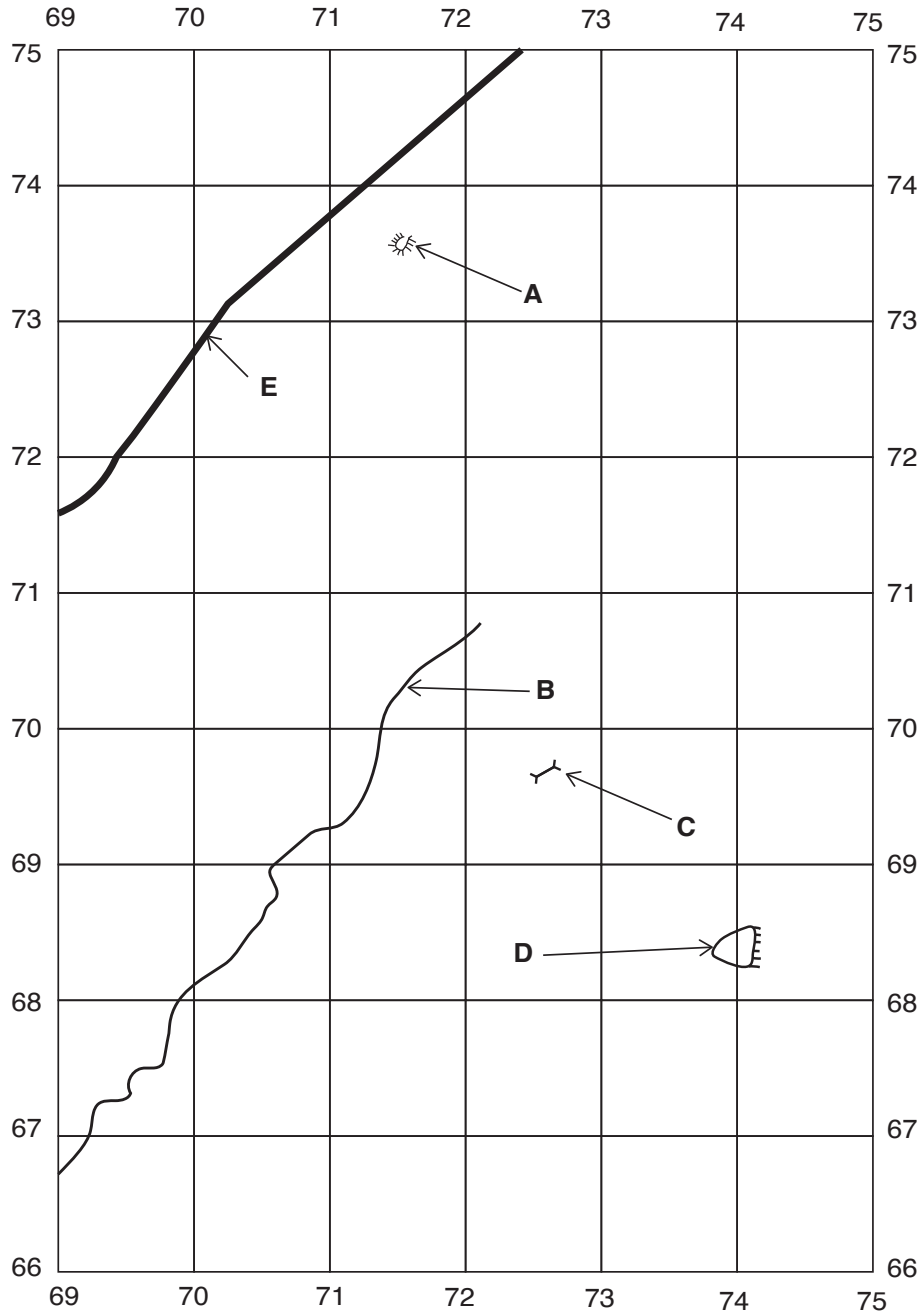
This document consists of **14** printed pages and **2** blank pages.

**SECTION A - MAP READING AND INTERPRETATION**

Answer **all** questions in the spaces provided.

**1** Study the map extract of Masvingo (Zimbabwe). The scale is 1:50 000.

Fig. 1 shows the positions of some features in part of the map extract.



**Fig. 1.**

**(a)** Using Fig. 1, identify the following features shown on Fig. 1:

**(i)** feature **A**;

..... [1]

(ii) name of river marked **B**;  
..... [1]

(iii) feature **C**;  
..... [1]

(iv) feature **D**;  
..... [1]

(v) type of road marked **E**;  
..... [1]

(b) (i) What is the Representative Fraction scale of the map?  
..... [1]

(ii) What is the six-figure grid reference of the confluence of the Shagashi and Mucheke rivers?  
..... [1]

(iii) What is the general direction of flow of the Shagashi river east of easting 75?  
..... [1]

(iv) What is the name of the settlement found in grid square 7970?  
..... [1]

(c) (i) Measure the distance **in metres** along the wide tarred road from the junction near the motel (7377) to the junction near the store (7472).  
..... [1]

(ii) The junction near the motel is 1100 metres and the junction near the store is 1080 metres. Calculate the gradient between the two points.  
.....  
.....  
.....  
..... [2]

(d) (i) State **three** pieces of evidence which show that mining takes place in the area around Masvingo.  
  
1.....  
2.....  
3..... [3]

(ii) Measure the grid bearing of the spot height at 8574 from the trigonometrical station at 7770.

..... [1]

(e) (i) State **three** recreational facilities found in the town of Masvingo.

1.....

2.....

3..... [3]

(ii) Give **one** reason why the area around the south western corner of the map is without settlements.

..... [1]

**[Total: 20 marks]**

**SECTION B – RESEARCH SKILLS**

Answer **all** questions in the spaces provided.

- 2 (a) A group of students investigated the amount of traffic flow in a city by conducting a traffic count. They decided to test the following hypothesis: *“The amount of traffic is high in the city centre during peak hours.”* Before the students carried out the investigation, they consulted results of a traffic count conducted in previous years (secondary data).

(i) Define *secondary data*.

..... [1]

(ii) State **two** disadvantages of using secondary data.

1.....

2..... [2]

(iii) Describe **two** ways in which the students conducted the traffic count.

1.....

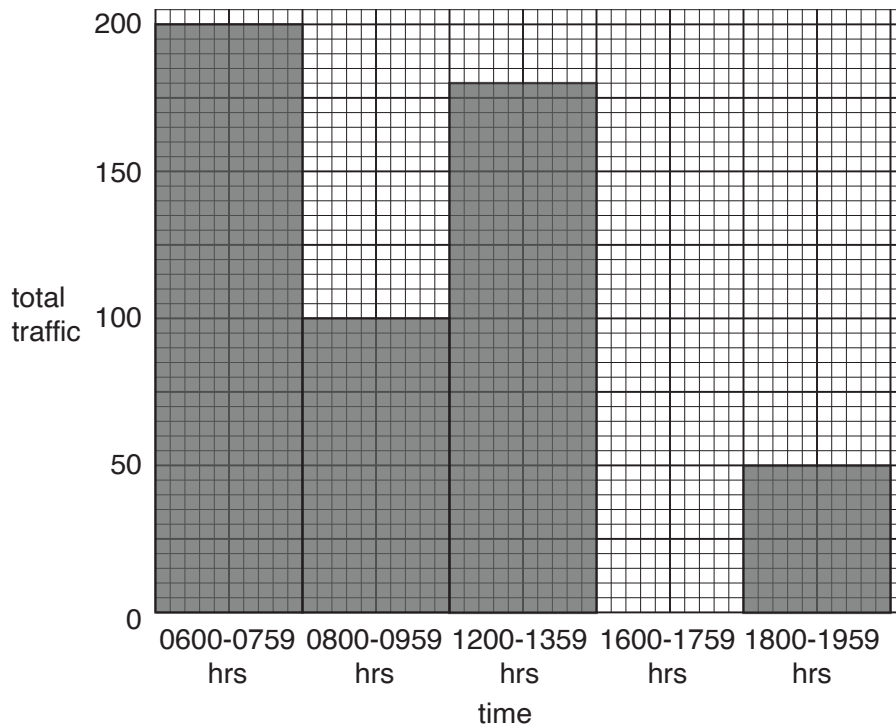
2..... [2]

- (b) To investigate the hypothesis, “*The amount of traffic is high in the city centre during peak hours.*”, the students conducted a traffic count and the results are shown in Table 1.

**Table 1**

Time	Total Traffic
0600 – 0759 hrs	200
0800 – 0959 hrs	100
1200 – 1359 hrs	180
1600 – 1759 hrs	190
1800 – 1959 hrs	50

- (i) Using information from Table 1, complete the bar graph, Fig. 2. [2]



**Fig. 2**

- (ii) Write a conclusion to the hypothesis, “*The amount of traffic is high in the city centre during peak hours.*” Use evidence from Table 1 and Fig. 2.

.....

.....

.....

.....

.....

.....

.....

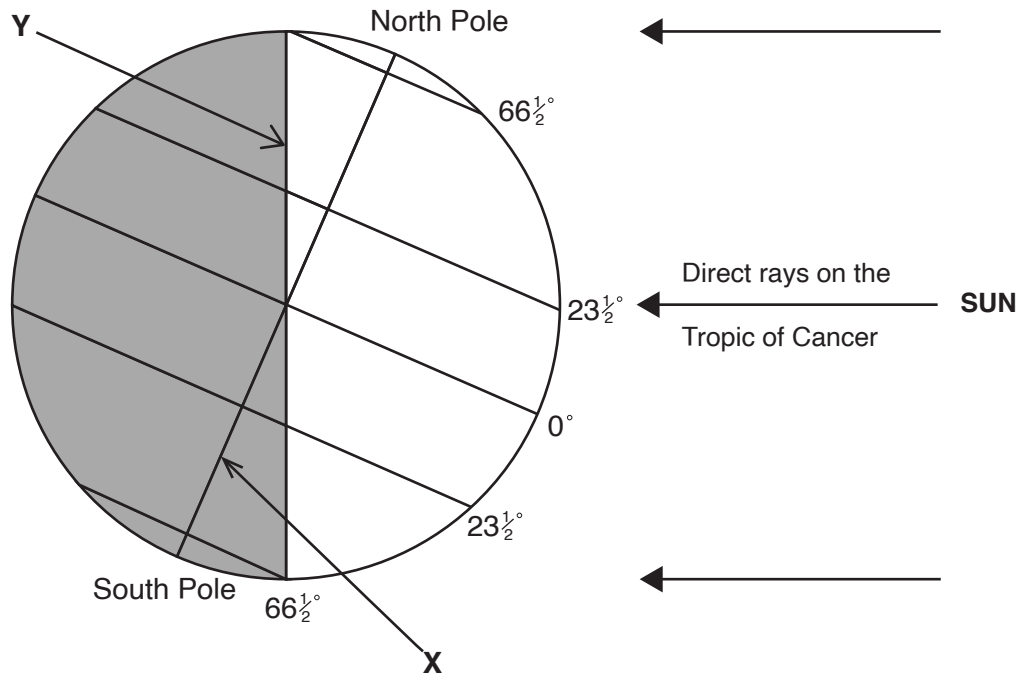
[3]

**[Total: 10 marks]**

**SECTION C – PHYSICAL GEOGRAPHY**

Answer **all** questions in the spaces provided.

**3 (a)** Study Fig. 3, which shows a season experienced in the Southern Hemisphere.



**Fig. 3**

(i) Name the season shown in Fig. 3.

..... [1]

(ii) Identify the lines marked **X** and **Y**.

**X**.....

**Y**..... [2]

(iii) According to Fig. 3, which pole is tilted;

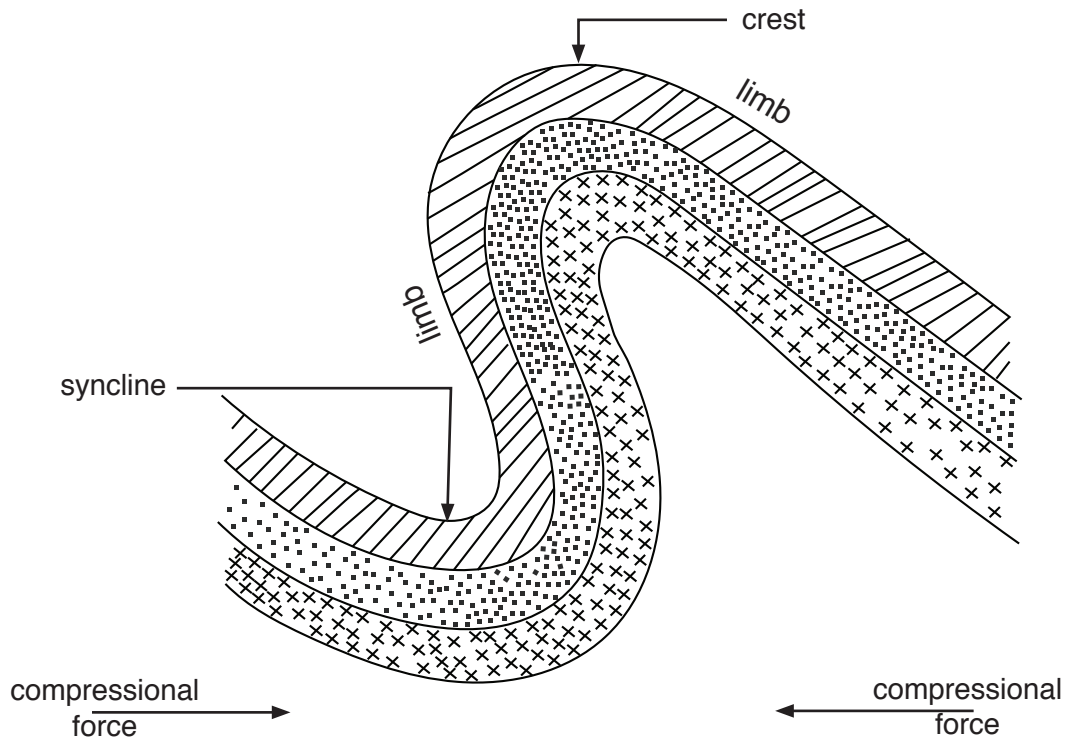
Towards the sun

.....

Away from the sun

..... [2]

(b) Study Fig. 4, which shows a certain type of fold seen in fold mountains.



**Fig. 4**

(i) Name the type of fold shown in Fig. 4.

..... [1]

(ii) Using Fig. 4, describe **two** features of the fold shown.

1.....

2..... [2]

(iii) State **two** disadvantages of fold mountains.

1.....

2..... [2]



(c) Study Fig. 5, which shows a landform formed through faulting.

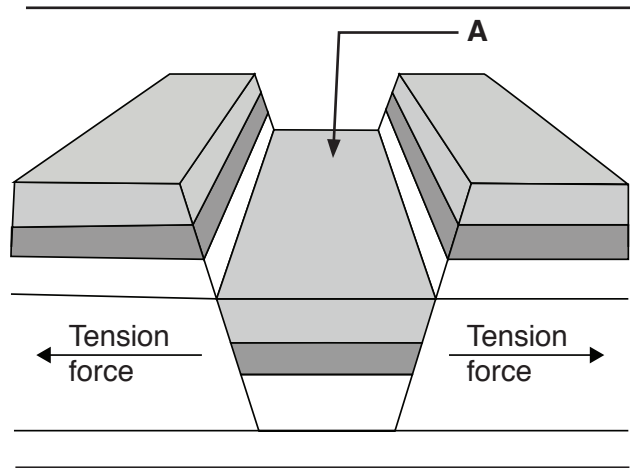


Fig. 5

(i) Name the feature labelled **A** in Fig. 5.

..... [1]

(ii) Describe **three** features of the landform shown in Fig. 5.

1.....

2.....

3..... [3]

(d) Study Fig. 6, which shows a certain type of rainfall.

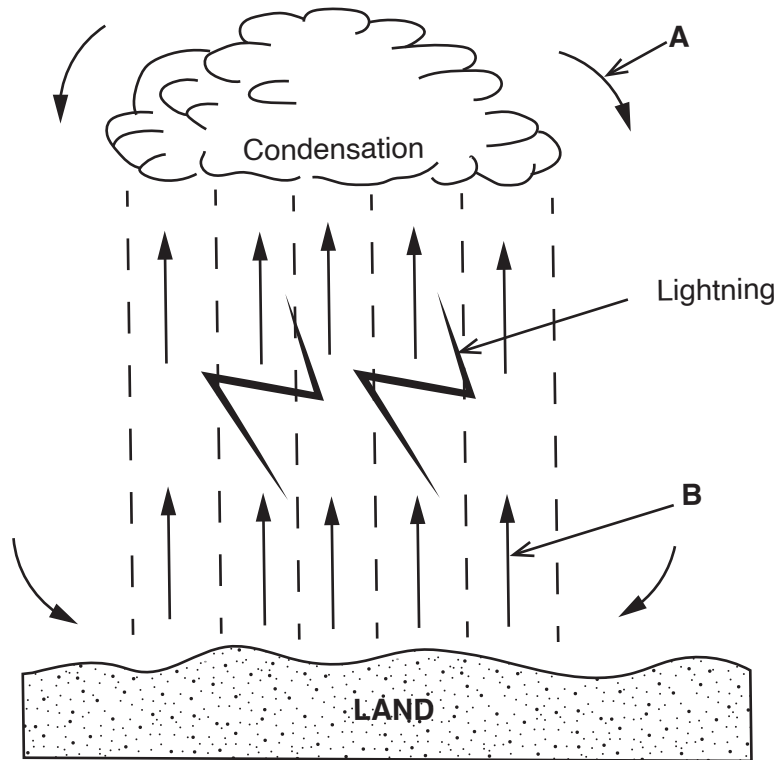


Fig. 6

(i) Name the type of rainfall shown in Fig. 6.

..... [1]

(ii) Identify the type of air labelled **A** and **B**.

**A**.....

**B** ..... [2]

(ii) Describe any **three** processes involved in the formation of the rainfall shown in Fig. 6.

1.....

2.....

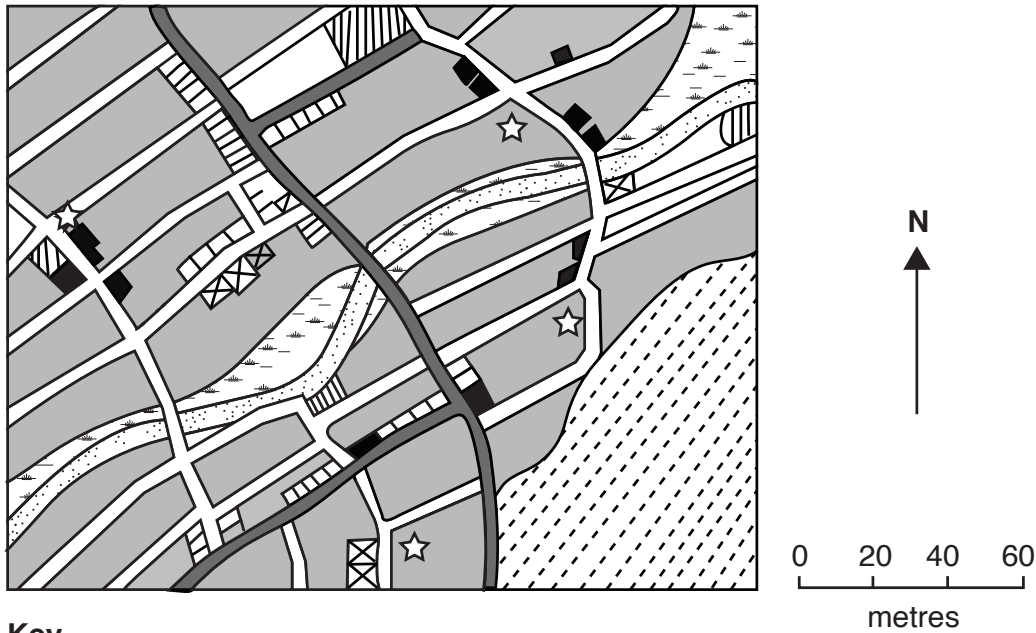
3..... [3]

[Total: 20 marks]

**SECTION D – POPULATION AND SETTLEMENTS**

Answer **all** questions in the spaces provided.

- 4 (a) Study Fig. 7 which shows a squatter settlement on the edge of a large city.



**Key**

- |                           |                       |                  |
|---------------------------|-----------------------|------------------|
| tarred road               | brick/concrete houses | vacant land      |
| unmade road (mud)         | water standpipe       | industrial land  |
| area of self built houses | open drain            | small businesses |
| shops                     | marshy land           |                  |

**Fig. 7**

- (i) Define a *squatter settlement*.  
 ..... [1]
- (ii) Describe any **three** features shown in Fig. 7 which indicate that the area is a squatter settlement.  
 1.....  
 2.....  
 3..... [3]
- (iii) State any **two** problems experienced by people who live in squatter settlements.  
 1.....  
 2..... [2]

(b) Study Fig. 8, which shows a map of Manzini, an urban area in Eswatini.

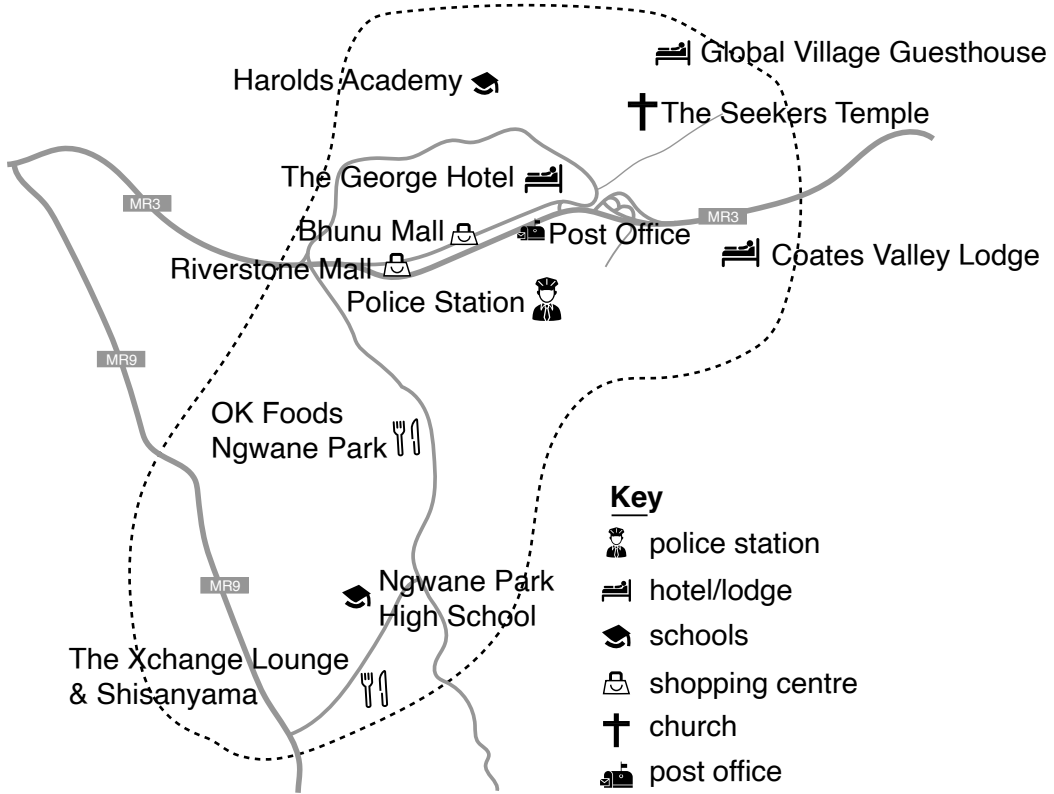


Fig. 8

(i) Using evidence from Fig. 8 only, state **four** services provided in Manzini.

1.....

2.....

3.....

4.....

[4]

(c) Study Fig. 9, which shows the total population of three countries in 1950, 2000, 2020 and their estimated population by 2025.

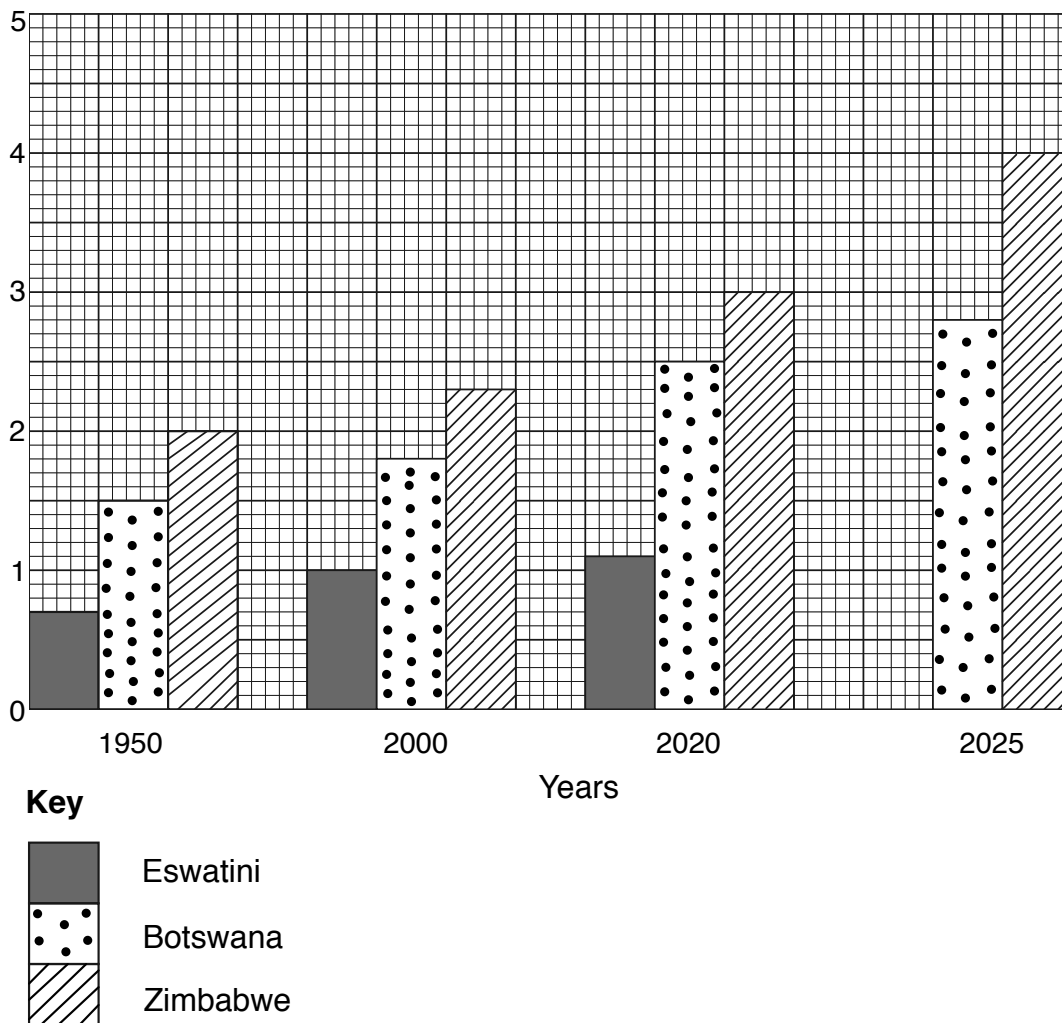
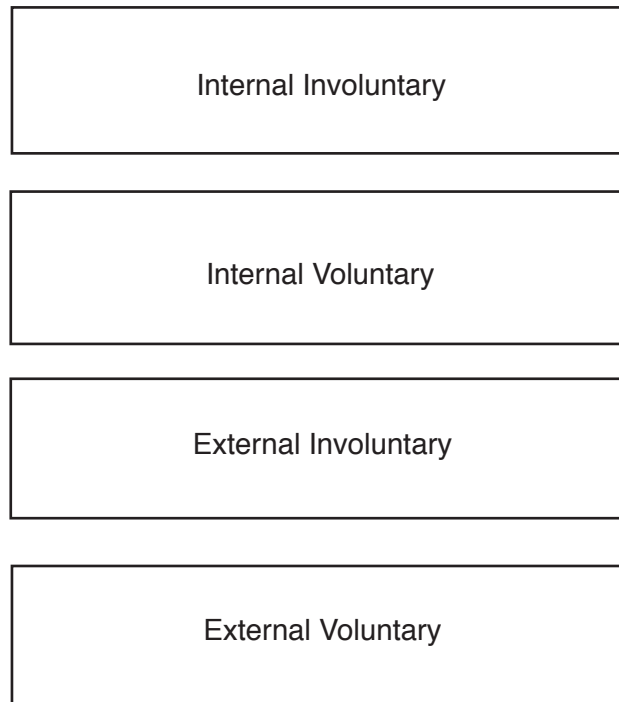


Fig. 9

- (i) What was the population of Zimbabwe in 1950?  
..... [1]
- (ii) Which country had a population of 2.5 million by 2020?  
..... [1]
- (iii) The estimated population of Eswatini by 2025 is 1.6 million. Complete the bar graph for Eswatini in Fig. 9. [1]
- (iv) State **two** reasons why LEDCs have a high birth rate.  
1.....  
2..... [2]

(d) Study Fig. 10, which shows types of migration.



**Fig. 10**

(i) Define *migration*.

..... [1]

(ii) Using evidence from Fig. 10 only, identify the types of migration illustrated by the following:

1 a student moving from Lavumisa to study at the University of Eswatini

..... [1]

2 a soccer player moving from Eswatini to play for a soccer team in the Republic of South Africa

..... [1]

3 a person moving from a rural area in Eswatini to the capital city (Mbabane) due to unemployment in the rural area

..... [1]

4 a person moving away from the volcanic eruption of Mt. Nyamlagira in the Democratic Republic of Congo to neighbouring Tanzania to seek refuge

..... [1]

**[Total: 20 marks]**



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