CANDIDATE NAME	

CENTRE NUMBER						CANDIDATE NUMBER				

GEOGRAPHY **6890/01**

Paper 1 Geographical Themes **October/November 2023**

1 hour 45 minutes

Candidates answer on the Question Paper

Additional materials: Ruler

READ THESE INSTRUCTIONS FIRST

Write your name, Centre number and candidate number in the spaces provided.
Write in dark blue or black pen.
Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **three** questions.
Answer **one** question from each theme.

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

The Insert contains Photograph A for Question 2 (b),
Photographs B and C for Question 3 (a), Photograph D for Question 3 (b) and
Photograph E for Question 6 (b).

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

For Examiner's Use	
1	
2	
3	
4	
5	
6	
Total	

This document consists of **20** printed pages and **4** blank pages.

THEME 2: THE PHYSICAL WORLD

Answer **one** question.

1 **(a)** Study Fig. 1, which shows an active volcano.
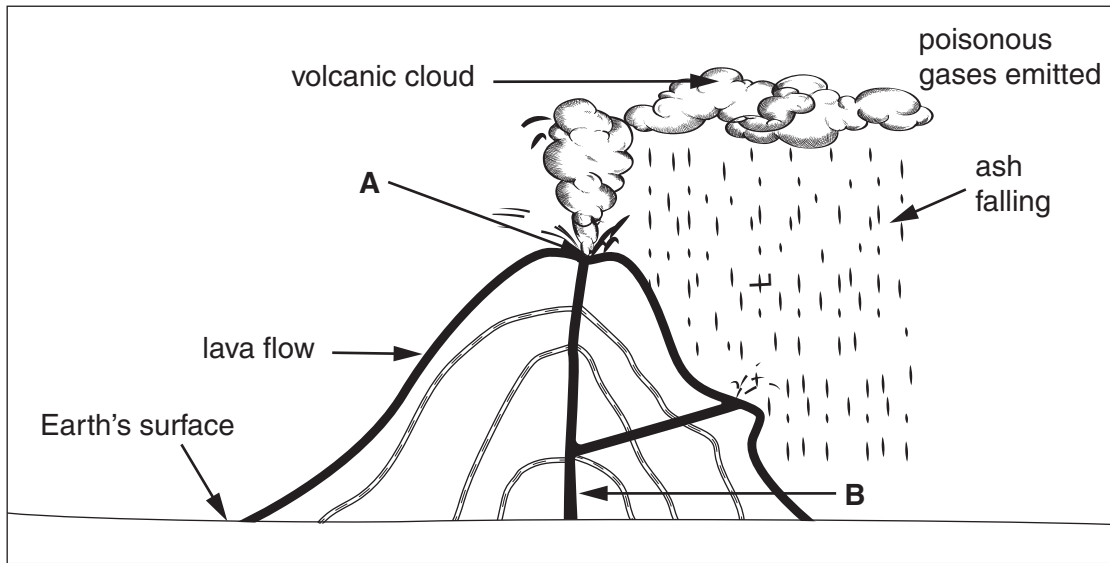
Fig. 1

(i) Define an *active volcano*.

....

.... [1]

(ii) Name the parts of the volcano marked **A** and **B** shown in Fig. 1.

A ....

B .... [2]

(iii) Identify **three** volcanic hazards that are shown in Fig. 1.

1 ....

2 ....

3 .... [3]

(iv) State **four** ways in which people can limit the impacts of volcanic eruptions.

1 ....

2 ....

3 ....

4 .... [4]

(b) Study Fig. 2, which shows the distribution of major **earthquakes**.
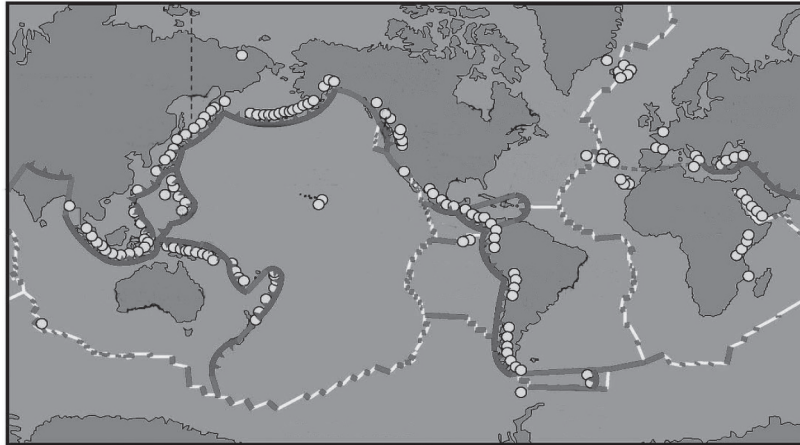
Key:

  ⚲ *earthquake activity*

Fig. 2

(i) Describe the distribution of the earthquakes shown in Fig. 2.

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.... [4]

(ii) Explain **two** hazards associated with earthquakes.

1 ....

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2 ....

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.... [4]

(c) Many people continue to live in areas affected by **volcanoes**.

For an area you have studied, explain **three** reasons why people continue to live in areas affected by volcanoes.

Example ....

1 ....

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2 ....

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3 ....

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.... [7]

[Total: 25 marks]

2 (a) Study Fig. 3, which shows an instrument found at a weather station.
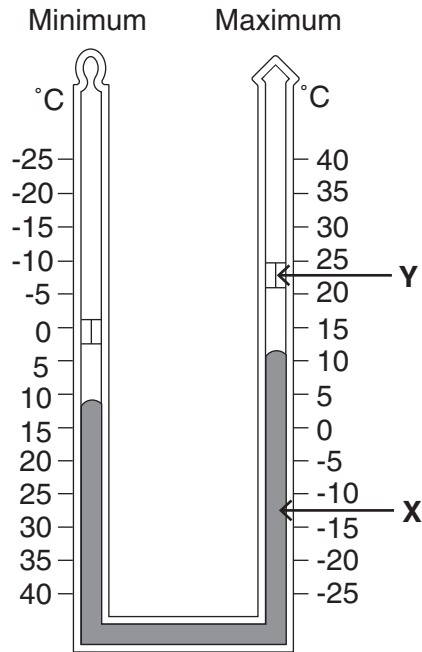
Fig. 3

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

.... [1]

(ii) Identify the features marked **X** and **Y** in Fig. 3.

Liquid **X**: ....

Part **Y**: .... [2]

(iii) Describe how the instrument shown in Fig. 3 measures temperature.

....

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.... [3]

(iv) Identify **four** factors that affect the climate of a place.

1 ....

2 ....

3 ....

4 .... [4]

(b) Study Photograph **A** (Insert), which shows a weather instrument.

(i) Identify **four** features of the weather instrument shown in Photograph **A**.

1 ....

2 ....

3 ....

4 .... [4]

(ii) Explain **two** reasons why this instrument is kept in a Stevenson screen.

1 ....

....

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2 ....

....

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.... [4]

(c) The climate of an area has an impact on people and the environment.

For an area of hot desert you have studied, explain **three negative** impacts of the climate on the people.

Example ....

1 ....

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2 ....

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3 ....

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.... [7]

[Total: 25 marks]

THEME 3:
ECONOMIC DEVELOPMENT, UTILISATION AND MANAGEMENT OF RESOURCES

Answer **one** question.

3 **(a)** Study Photographs **B** and **C** (Insert), which show two methods of irrigation used in Eswatini.

(i) Define the term *irrigation*.

....

.... [1]

(ii) Identify the methods of irrigation shown in Photographs **B** and **C**.

B ....

C .... [2]

(iii) Describe **three** advantages of using irrigation.

1 ....

....

2 ....

....

3 ....

.... [3]

(iv) State **four** problems that can be encountered when attempting to increase the size of an area under irrigation.

1 ....

2 ....

3 ....

4 .... [4]

(b) Study Photograph **D** (Insert), which shows a method of preparing land for agriculture.

(i) With the aid of Photograph **D** and your own knowledge describe **four** ways by which land is prepared for agriculture.

1 ....

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2 ....

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3 ....

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4 ....

.... [4]

(ii) Explain **two** problems encountered in the clearing and preparation of land for agriculture.

1 ....

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2 ....

....

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.... [4]

(c) Sugar cane is one of the major cash crops grown in Eswatini.

For an area you have studied, explain **three** physical factors that favour the growth of sugar cane.

Example ....

1 ....

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2 ....

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3 ....

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.... [7]

[Total: 25 marks]

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PLEASE TURN OVER FOR QUESTION 4

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4 **(a)** Study Fig. 4, which shows the number of tourists visiting five African countries between 1980 and 2010.
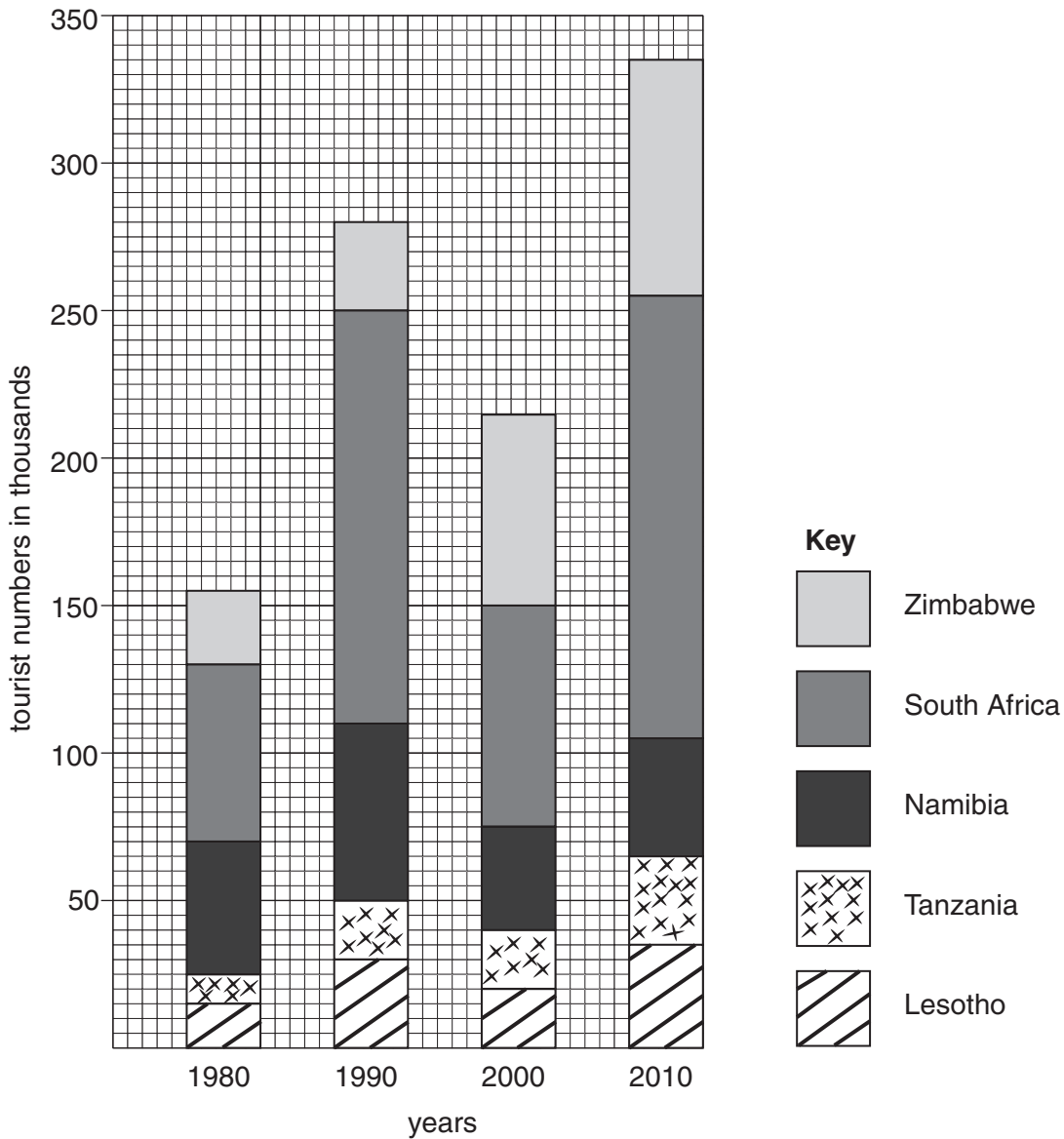
Fig. 4

(i) What was the total number of tourists in the year 1990?

.... [1]

(ii) Identify the country which:

A had 65 thousand tourists in 2000.

....

B doubled its number of tourists from 2000 to 2010.

.... [2]

(iii) Describe the trend or pattern of **total** tourist numbers from 1980 to 2010 shown in Fig. 4.

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....

.... [3]

(iv) Suggest **four** reasons for the trend in international tourism between 2000 and 2010.

1 ....

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2 ....

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3 ....

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4 ....

.... [4]

         [Turn over

(b) Study Fig. 5, which shows the location of the Royal Science and Technology Park in Eswatini.
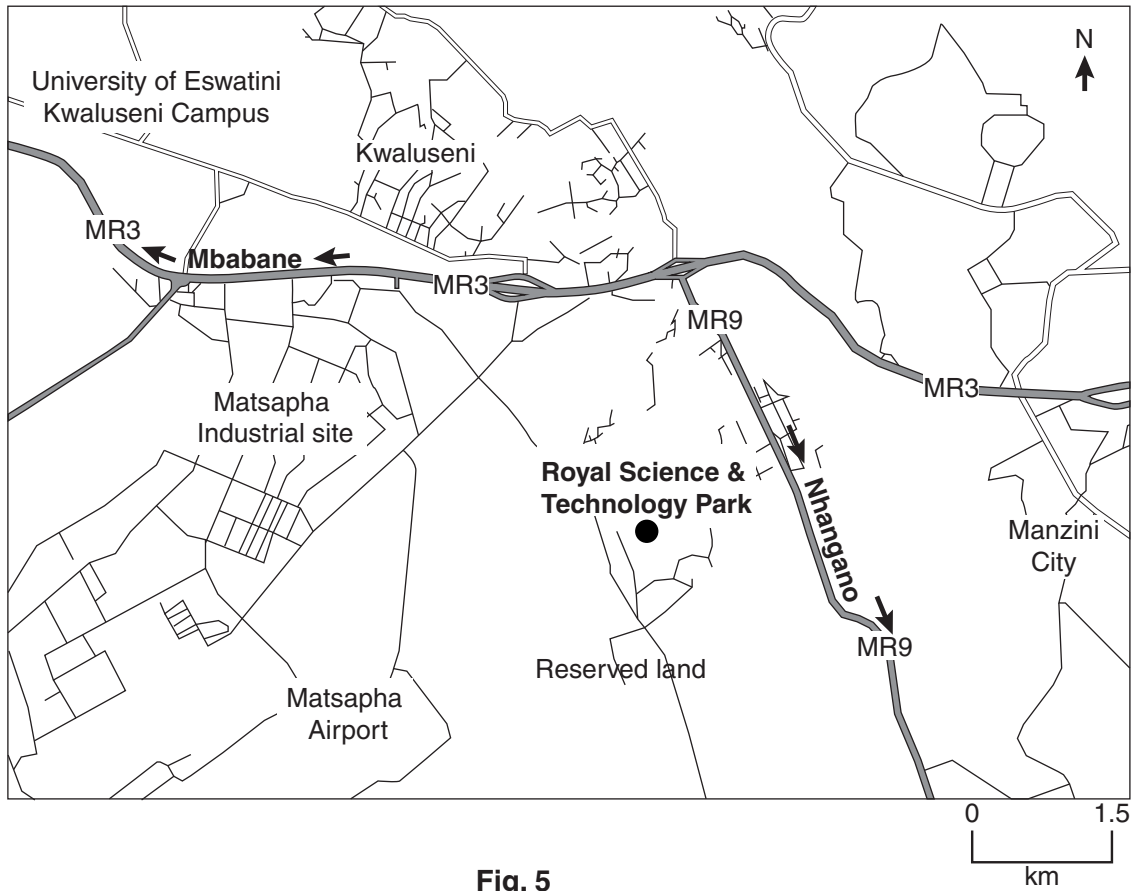
Fig. 5

(i) Using Fig. 5, describe **four** factors that might have influenced the location of the Royal Science and Technology Park.

1 ....

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2 ....

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3 ....

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4 ....

.... [4]

(ii) Explain **two** benefits of science and business parks for a country.

1 ....

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2 ....

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.... [4]

(c) Tourism has advantages and disadvantages for a country.

For an area you have studied, explain **three economic advantages** brought by tourism.

Example ....

1 ....

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2 ....

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3 ....

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.... [7]

[Total: 25 marks]

THEME 4: POPULATION AND SETTLEMENTS

Answer **one** question.

5 **(a)** Study Fig. 6, which shows part of a city in an LEDC.
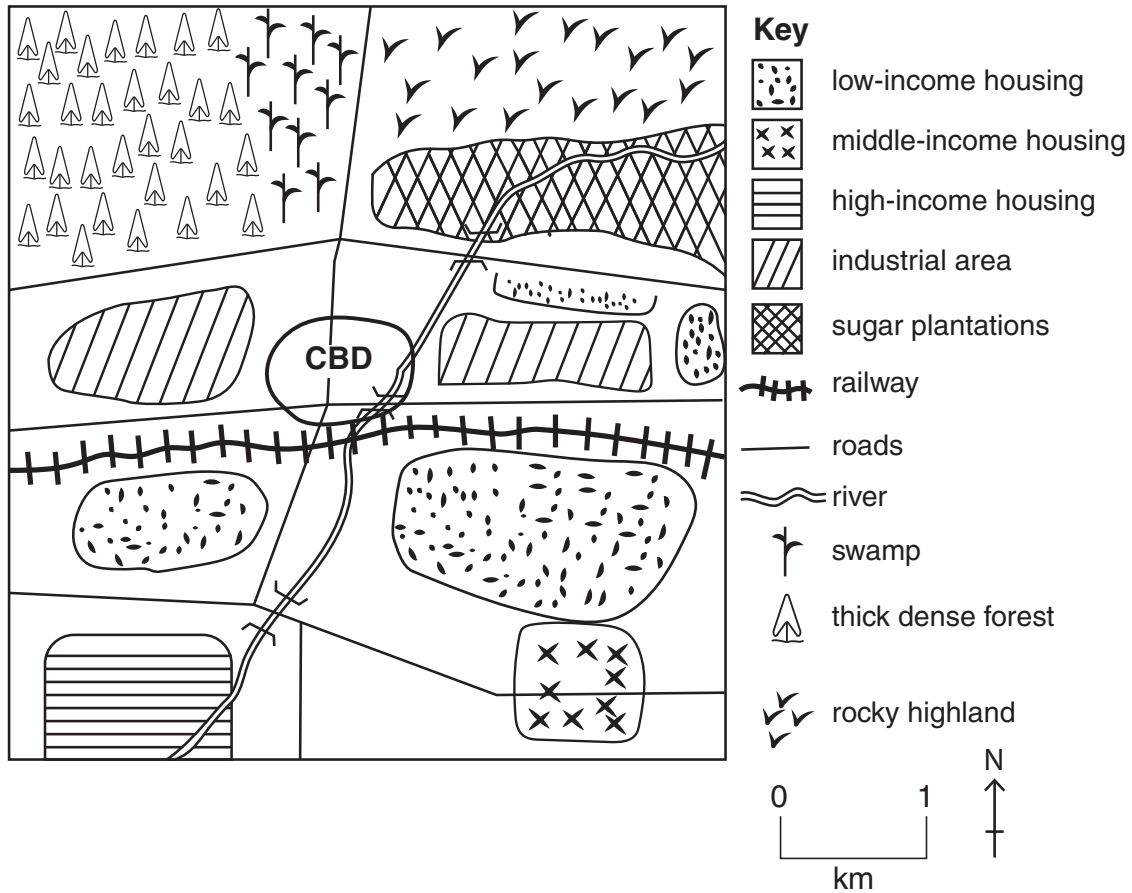
Fig. 6

(i) What does CBD stand for?

.... [1]

(ii) State **two** characteristic features of buildings in the CBD.

1 ....

....

2 ....

.... [2]

(iii) Using Fig. 6, give **three** reasons for the location of the area of low-income housing.

1 ....

2 ....

3 .... [3]

(iv) State **four** features shown in Fig. 6, which prevented the city from expanding northwards.

1 ....

2 ....

3 ....

4 .... [4]
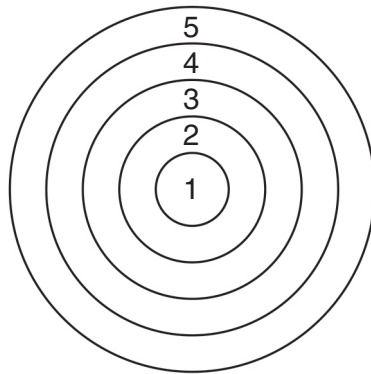
(b) Study Fig. 7, which shows the Burgess concentric model of a city.

Fig. 7

(i) Using Fig. 7, identify the land use zones labelled 1, 2, 3 and 4.

1 ....

2 ....

3 ....

4 .... [4]

(ii) Explain **two** reasons for the development of concentric land use zones in a city.

1 ....

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2 ....

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.... [4]

(c) The growth of squatter settlements results in problems.

For an area you have studied, explain **three** problems resulting from the growth of squatter settlements.

Example ....

1 ....

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2 ....

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3 ....

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.... [7]

[Total: 25 marks]

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PLEASE TURN OVER FOR QUESTION 6

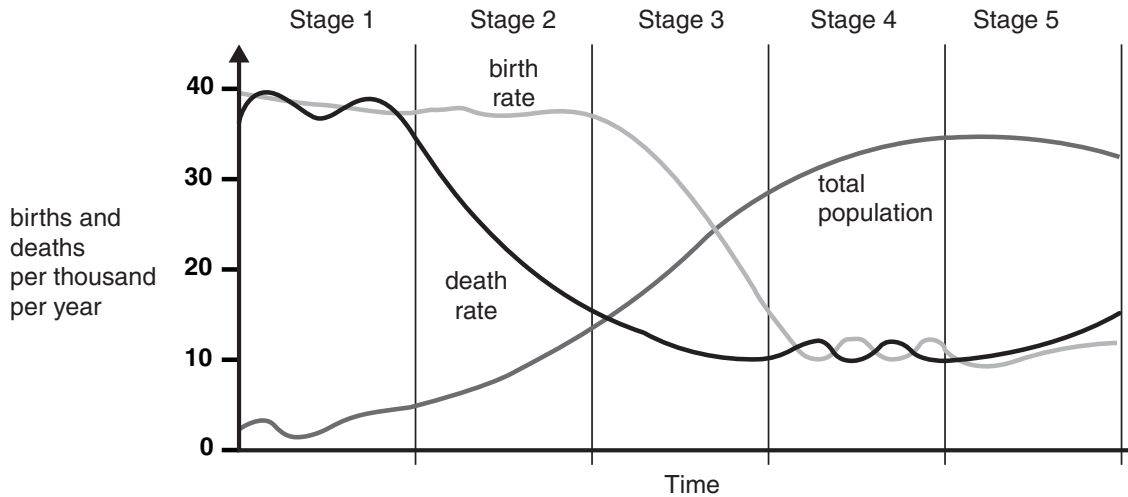**6 (a)** Study Fig. 8, which shows a model of population change over time.

Fig. 8

(i) What is the name of the model shown as Fig. 8?

.... [1]

(ii) Using Fig. 8, state **two** stages that experience a decline in the total population.

Stage ....

Stage .... [2]

(iii) Describe the changes that take place in the birth rate, death rate and total population in Stage 2.

Birth rate ....

Death rate ....

Total population .... [3]

(iv) Suggest **four** reasons for the low birth rate in Stage 4.

1 ....

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2 ....

....

3 ....

....

4 ....

.... [4]

(b) Study Photograph **E** (Insert), which shows an urban area.

(i) Using Photograph **E** (Insert), identify **four** reasons for rural to urban migration.

1 ....

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2 ....

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3 ....

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4 ....

.... [4]

                                       [Turn over

(ii) Explain **two** problems encountered in urban areas as a result of high immigration.

1 ....

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2 ....

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.... [4]

(c) An ageing population is a problem for many MEDCs.

For an area you have studied, explain **three** reasons why some MEDCs are worried about having a large ageing population.

Example ....

1 ....

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2 ....

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3 ....

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.... [7]

[Total: 25 marks]

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