

**GCSE Geography B
Sustainable Decision Making Exercise (SDME)
(Higher Tier)
Specimen Paper**

H

B561/02

Duration: 1 hour 30 minutes

Candidates answer on the question paper.

OCR supplied materials: Resource Booklet B561/01/02/RB
- inserted

Candidate
forename

Candidate
surname

Centre number

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Candidate
number

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INSTRUCTIONS TO CANDIDATES

- The Resource Booklet will be found in the centre of this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **40**.
- Resources 1 to 6 are contained in the Resource Booklet.
- You will be assessed on the quality of written communication in your answer to questions: 1(b), 2, 3 and 4.
- This document consists of **8** pages. Any blank pages are indicated.

Answer **all** questions.

- 1 (a) (i) Use **Resource 1** in the Resource Booklet. Compare the predicted population increase in Tokyo and Mumbai between 2007 and 2025. Use figures from Resource 1 to support your answer.

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..... [2]

- (ii) Give **two** reasons why cities in LEDCs are likely to increase in population by 2025.

Reason 1

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Reason 2

..... [2]

- (b) Use **Resource 2**. Identify the megacity in which you think that people have the best quality of life.

Name of chosen megacity

Give reasons for your choice

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..... [6]

2 Use **Resource 3** in the Resource Booklet.

Suggest and explain **two** ways that 'Cities for People' are more sustainable than 'Cities for Cars'.

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..... [6]

4 Use **Resources 5** and **6** in the Resource Booklet and your own knowledge.

Like many other LEDC cities, Rio de Janeiro has grown rapidly in recent years. This rapid growth has created problems which have a negative effect on the quality of life of many of the people who live in Rio de Janeiro.

The Brazilian Government needs to find a sustainable solution to the problems caused by rapid growth and possible future growth of Rio de Janeiro.

There are **four** possible options to choose from:

Option 1

Do nothing, due to lack of finance, and hope that time will solve the city's problems and improve people's quality of life.

Option 2

Support self-help schemes in favelas such as Rocinha.

Option 3

Encourage the development of more settlements such as Barra da Tijuca.

Option 4

Discourage rural-urban migration to Rio de Janeiro by investing money in developing rural areas.

Task

Choose **one** of the above options.

- Give **two** reasons to explain why you think this would be the best option to provide Brazil with a solution to the problems caused by rapid growth.
- State your reasons for not choosing each of the other **three** options.
- Explain why your choice might not please everyone in Rio de Janeiro.
- Explain why some stakeholders might prefer a different option.

Chosen option

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ADDITIONAL ANSWER SPACE

If you use this lined page to complete the answer to any question(s), the question number(s) **must** be clearly shown.

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Specimen Mark Scheme

The maximum mark for this paper is **40**.

This document consists of **6** printed pages.

Question			Answer	Marks	Guidance
1	(a)	(i)	<p>Content guide:</p> <p>The population of Mumbai is predicted to increase more than that of Tokyo ✓</p> <p>Mumbai is expected to increase from 18 to 26 million but Tokyo from 35 to 37 million ✓(dev)</p>	[2]	<p>Point marking.</p> <p>One mark for recognition that Mumbai's increase is expected to be greater with a development mark for use of accurate comparative statistics.</p>
		(ii)	<p>Indicative content:</p> <p>Rural to urban migration (or any reasons for this e.g. to find employment, to obtain education/health care etc.) ✓</p> <p>Natural population growth ✓</p>	[2]	<p>Point marking.</p> <p>1 mark per valid idea.</p> <p>NB Candidates can score full marks for the general ideas of migration and natural population growth or for two different specific reasons for rural to urban migration.</p>
	(b)		<p>Level 3 [5-6 marks] Identifies a megacity and justifies by using developed statements and referring to comparative statistics why it has the best quality of life. Written work is legible and spelling, punctuation and grammar are accurate. Meaning is communicated very clearly.</p> <p>Level 2 [3-4 marks] Identifies a megacity and justifies by using developed statements why it has the best quality of life. Written work is legible and spelling, punctuation and grammar are mostly accurate. Meaning is communicated clearly.</p> <p>Level 1 [1-2 marks] Identifies a megacity and justifies by using simple statements why it has the best quality of life. Written work contains mistakes in spelling, punctuation and grammar, which sometimes hinder communication.</p> <p>0 marks No evidence submitted or response does not address the question.</p> <p>Content guide:</p> <p>e.g. Tokyo has a lower murder rate than Mexico City which means that it is a safer place to live.</p> <p>Tokyo has a lower level of air pollution which means that it is a healthier place to live.</p>	[6]	

Question		Answer	Marks	Guidance
		Tokyo has 100% homes with water and electricity which means people can have a high level of hygiene and keep food fresh.		
2		<p>Level 3 [5-6 marks] Gives two valid ways and explains how both are more sustainable. Demonstrates thorough knowledge of concept of sustainability based on a full range of relevant factual information and evidence. Written work is legible and spelling, punctuation and grammar are accurate. Meaning is communicated very clearly.</p> <p>Level 2 [3-4 marks] Gives two valid ways and explains why one is more sustainable. Demonstrates some relevant knowledge based on a range of factual information and evidence. Written work is legible and spelling, punctuation and grammar are mostly accurate. Meaning is communicated clearly,</p> <p>Level 1 [1-2 marks] Gives one valid way with explanation or two without development. Demonstrates limited understanding of sustainability and relevant knowledge and information. Written work contains mistakes in spelling, punctuation and grammar, which sometimes hinder communication.</p> <p>0 marks No evidence submitted or response does not address the question.</p> <p>Content guide:</p> <p>Less congestion = reduced pollution - improved health</p> <p>Improved environment = enhanced quality of life</p> <p>More people cycling/walking = improved health</p> <p>Fewer motor cars = reduced consumption of fossil fuels - conserve supplies for future.</p>	[6]	

Question	Answer	Marks	Guidance
3	<p>Level 3 [7-8 marks] Explains in detail using a range of appropriate examples from the resource the extent to which young families may find GMV a sustainable place to live. Clear evaluation present and demonstrates a very good understanding of sustainability. Written work is legible and spelling, punctuation and grammar are accurate. Meaning is communicated very clearly. Good use of appropriate geographical terminology.</p> <p>Level 2 [4-6 marks] Explains using appropriate examples from the resource whether young families may find GMV a sustainable place to live. Evaluation of to what extent may be lacking. Written work is legible and spelling, punctuation and grammar are mostly accurate. Meaning is communicated clearly.</p> <p>Level 1 [1-3 marks] Describes without explanation whether young families may find GMV a sustainable place to live in. Use of the resources may not always be relevant or may show limited understanding of the issue. Written work contains mistakes in spelling, punctuation and grammar, which sometimes hinder communication.</p> <p>0 marks No evidence submitted or response does not address the question.</p> <p>Content guide:</p> <p>To a great extent families with young children are likely to find GMV a sustainable place to live, environmentally, socially and economically.</p> <p>Primary school close = walk to school – healthy, safer, cheaper, fewer emissions.</p> <p>Reduced traffic = healthier/safer for children to walk unsupervised, fewer emissions.</p> <p>Communal areas = safe play/social areas.</p> <p>Parks/wildlife areas/nature trails = social and</p>	[8]	

Question	Answer	Marks	Guidance
	<p>environmental benefits.</p> <p>Energy and water efficient = saves on energy and water bills for a young family on a water meter.</p> <p>Young families tend to use a great deal of energy and water.</p> <p>CCTV = provides security and protection in open spaces</p> <p>However, there are a few aspects which are less sustainable. These are mainly social ones.</p> <p>Communal areas = lack of private space and increased 'stranger danger'.</p> <p>Inconvenience of using public transport with pram/pushchair.</p>		
4	<p>Level 4 [13-16 marks] Two well-developed reasons given as to why chosen option is best for Rio. Well-developed reasons given for rejecting other three options. Relevant and valid consideration given to view of other Rio residents as well as those of relevant stakeholders. They demonstrate well developed skills of analysis and evaluation. Written work is legible and spelling, grammar and punctuation are very accurate and meaning is clearly communicated. Good use of geographical terminology.</p> <p>Level 3 [9-12 marks] Developed reason(s) given as to why chosen option is best for Rio. Developed reason(s) given for rejecting other three options. Some relevant and valid consideration given to view of other Rio residents as well as those of relevant stakeholders. They demonstrate developed skills of analysis and evaluation. Written work is legible and spelling, grammar and punctuation are accurate and meaning clearly communicated. Use of geographical terminology.</p>	[16]	

Question	Answer	Marks	Guidance
	<p>Level 2 [5-8 marks] Simple reason given for why chosen option is best for Rio. Simple reasons given for rejecting at least two other options. Relevant consideration given to view of either other Rio residents/ or stakeholders. Written work is legible and spelling, grammar and punctuation are mostly accurate. They demonstrate simple skills of analysis and evaluation. Meaning is communicated with limited clarity.</p> <p>Level 1 [1-4 marks] Limited reason given as to why chosen option is best for Rio. Limited reasons for rejecting at least one of the other options. Disadvantage of chosen option covered in a limited way. Limited consideration given to views of other Rio residents/or stakeholders. They demonstrate limited skills of analysis and evaluation. Written work contains mistakes in spelling, punctuation and grammar, which sometimes hinders communication.</p> <p>0 marks No evidence submitted or response does not address the question.</p>		

Assessment Objectives Grid (includes QWC)

Question	AO1	AO2	AO3	Total
1(a)(i)			2	2
1(a)(ii)	2			2
1(b)		6		6
2	3	3		6
3		4	4	8
4	3	3	10	16
Paper Total	8	16	16	40