

Tuesday 4 June 2013 – Afternoon

GCSE GEOGRAPHY B

B561/01 Sustainable Decision Making (SDM) (Foundation Tier)

Candidates answer on the Question Paper.

OCR supplied materials:
None

Other materials required:

- Resource Booklet (B561/01/02/RB – previously supplied)

Duration: 1 hour



Candidate forename		Candidate surname	
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Centre number							Candidate number				
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INSTRUCTIONS TO CANDIDATES

- 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.
- You will be awarded marks in Questions 4 and 5(a) for the quality of written communication of your answer.
- Resources 1–8 are contained in the Resource Booklet.
- The total number of marks for this paper is **40**.
- This document consists of **12** pages. Any blank pages are indicated.

SECTION A – The Background

Question 1

Use Resource 1(a).

(a) Name **one** tectonic hazard.

..... [1]

Use Resource 1(b).

(b) Give **one** reason why people live in areas of tectonic risk. Explain your answer.

Reason

Explanation

.....

.....

.....

[2]

SECTION B – The Options

Question 3

Use Resource 3.

(a) Complete the table by matching the correct terms to their descriptions. Choose from the following list.

monitoring recovery prevention emergency response

term	description
	Short-term emergency actions
	Collecting and recording information about earth movements

[2]

(b) Explain how people can **prepare** for an earthquake.

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..... [4]

(c) Reconstruction is important after a disaster.

Suggest **two** things which could be done to rebuild a community after a disaster.

.....

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..... [2]

SECTION C – The Decision**Question 5**

Use Resources **6**, **7(a)**, **7(b)** and **8**, plus any other information from the resource booklet and your own knowledge.

There are hundreds of faults that run through California. One of the most dangerous is the Hayward Fault which runs through the San Francisco Bay Area.

The Californian Earthquake Authority (CEA) needs to decide the best way to reduce the impact of any earthquake in the Bay Area, with one of their aims being to keep communities sustainable.

You have been asked to recommend the best way for them to spend their time and money. Three possible options have been suggested.

Option 1

To rebuild all important facilities such as hospitals, fire stations and power stations away from the fault line.

Option 2

To make all new buildings meet existing strict building codes and make all older buildings earthquake proof.

Option 3

To improve the awareness of people in the Bay Area about the risk of earthquakes and tell them how to prepare for an earthquake.

Task

- (a) Choose **one** of the options and give reasons why you think this would be the best way for the Bay Area to plan for the problems that a large earthquake could cause.
- (b) Give **one** possible disadvantage of your chosen option.
- (c) Give **one** advantage of each of the other two options.
- (d) Suggest a possible disadvantage of choosing **only** one option.

(c) **One** advantage of each of the other two options

Option number

Advantage

.....

.....

.....

Option number

Advantage

.....

.....

.....

[4]

(d) A possible disadvantage of choosing only one option.

Disadvantage

.....

.....

.....

.....

.....

[3]

END OF QUESTION PAPER

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

A large area of lined paper for writing answers. It features a vertical margin line on the left side and horizontal dotted lines for writing. The lines are evenly spaced and extend across the width of the page.

A vertical solid line is positioned on the left side of the page. From this line, a series of horizontal dotted lines extend across the page, creating a grid of writing lines. There are 25 such horizontal dotted lines, evenly spaced from top to bottom.

A vertical solid line is positioned on the left side of the page. From this line, 25 horizontal dotted lines extend across the page, creating a series of rows for writing.

A large area of the page is reserved for writing, featuring a vertical solid line on the left side and horizontal dotted lines extending across the page.



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