

Wednesday 12 June 2013 – Morning

GCSE GEOGRAPHY B

B563/02 Key Geographical Themes (Higher Tier)

Candidates answer on the Question Paper.

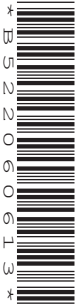
OCR supplied materials:

- Resource Booklet (B563/A772/01/02/RB – inserted)

Other materials required:

None

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

- The Resource Booklet will be found in the centre of this document. You may not use all of the resources. The questions tell you which resource(s) you need to use.
- 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 **THREE** questions. Answer **one** question from Section A (**either** Question 1 **or** Question 2), answer **one** question from Section B (**either** Question 3 **or** Question 4) and answer **one** question from Section C (**either** Question 5 **or** Question 6).
- 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 **84**.
- You will be assessed on the quality of written communication in your answer to the following questions: 1(f), 2(f), 3(f), 4(e), 5(f) and 6(f). Questions marked with a pencil (✎) will carry **3** additional marks for spelling, punctuation and grammar.
- This document consists of **24** pages. Any blank pages are indicated.

SECTION A – Rivers and Coasts

You must answer **either** Question 1 **or** Question 2.

EITHER

1 Use **Figs 1** and **2** in the Resource Booklet.

(a) Study **Fig. 1**, a map which shows flooding in the Zambezi river basin from 1979 to 2009.

What does the term ‘river basin’ mean?

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..... [2]

(b) In which country was the impact of flooding most serious? Use data from **Fig. 1** to support your answer.

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..... [3]

(c) Suggest **two** reasons to explain why the impact of flooding in the Zambezi river basin was more serious in some countries than in others.

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[4]

(d) Study **Fig. 2**, a photograph of flooding in part of rural Mozambique in 2009.

Describe and explain **two** ways in which flooding could have affected the people who lived there.

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[4]

(e) Many rivers are managed to reduce the impact of flooding.

Describe **one** method used to reduce the impact of flooding. Explain how sustainable this method is.

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[4]

(f)  **CASE STUDY – river landforms and processes**

Name a river valley you have studied.

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Describe **one** landform in your chosen river valley and explain how natural processes may change this landform over time. You may draw a labelled diagram(s) as part of your answer. Include at least **three** developed ideas.



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 **Spelling, punctuation and grammar [3]**

END OF QUESTION 1

OR

2 Use **Figs 3** and **4** in the Resource Booklet.

(a) Name and describe **one** process of coastal erosion.

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..... [2]

(b) Study **Fig. 3**, a map which shows the value of buildings at risk from coastal erosion in California, USA.

Describe the distribution of counties in which the total value of buildings at risk from coastal erosion is more than US\$3 billion.

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(c) Suggest **two** reasons why some counties have a higher value of buildings at risk from coastal erosion than others.

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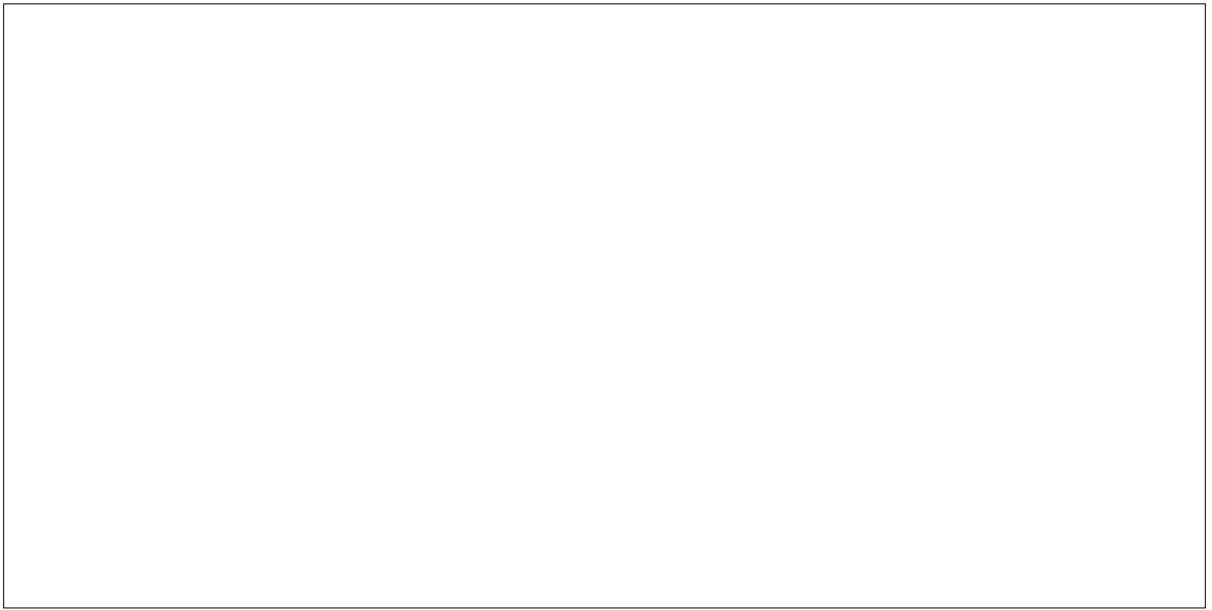
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(f)  **CASE STUDY – coastal landforms and processes**

Name a coastal area you have studied.

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Describe **one** landform in your chosen coastal area and explain how natural processes may change this landform over time. You may draw a labelled diagram(s) as part of your answer. Include at least **three** developed ideas.



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 **Spelling, punctuation and grammar [3]**

END OF QUESTION 2

(d) Drought is a problem for farmers in **LEDCs**. Describe **two** different methods that farmers can use to reduce the effects of drought.

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[4]

(e) Explain why the impact of drought is usually less severe in **MEDCs** than in **LEDCs**.

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[4]

OR

4 Use **Fig. 6** in the Resource Booklet.

(a) Study **Fig. 6**, a map which shows plate boundaries in the 'Pacific Ring of Fire'.

(i) Describe the locations of the ocean trenches shown on the map.

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..... [3]

(ii) What type of plate boundary is:

- between the Nazca Plate and the South American Plate?

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- between the Nazca Plate and the Pacific Plate?

..... [2]

(c) Suggest **two** reasons why Cambridge Science Park is in a good location for companies in the quaternary sector of industry.

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[4]

(d) Explain **one** similarity and **one** difference between the factors affecting the location of a quaternary industry and a secondary industry.

Similarity

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Difference

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[4]

(e) Explain why multinational companies (MNCs) may change the location of their factories and offices from one country to another.

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[4]

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 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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