OCR
Oxford Cambridge and RSA

F

Wednesday 3 June 2015 – Afternoon

GCSE GEOGRAPHY B

B563/01   Key Geographical Themes (Foundation Tier)

Duration: 1 hour 45 minutes

Candidate forename		Candidate surname	

Centre number					Candidate number				

INSTRUCTIONS TO CANDIDATES

*   The OS map extract and Resource Booklet will be found inside 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 **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 **99**.
*   You will be assessed on the quality of written communication in your answer to the following questions: 1(g), 2(g) and 3(h). Questions marked with a pencil (✐) will carry **3** additional marks for spelling, punctuation and grammar.
*   This document consists of **16** pages. Any blank pages are indicated.

Answer **all** the questions.

SECTION A – Rivers and Coasts

1 Use **Figs 1**, **2** and **3** in the Resource Booklet.

(a) Study **Fig. 1** which shows hydrographs for a river valley location in 1980 and 2010 after similar rainstorms.

Use **Fig. 1** to complete the information table shown below.

Hydrograph	Base Flow	Peak Discharge	Time of Peak Discharge
1980		40 cumecs	14 hours
2010	20 cumecs		

[3]

(b) Study **Fig. 2** which shows the landscapes for the river valley location in 1980 and 2010.

Use evidence from **Fig. 2** to suggest why river flooding would be more likely in 2010.

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.... **[4]**

(c) Explain **two** other causes of river flooding.

Cause 1: ....

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Cause 2: ....

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.... **[4]**

(d) State **two** methods used to reduce the risk of river flooding on people and property. Explain how **each** method works.

Method 1: ....

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Method 2: ....

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[4]

(e) Study **Fig. 3** photographs showing evidence of coastal erosion at Skipsea, on the Holderness coast.

Places such as Skipsea have rapid rates of coastal erosion.
Describe the problems this causes for people who live in places like Skipsea.

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.... **[4]**

(f) Complete the table below by matching the correct words from the list below to the descriptions of different types of coastal erosion.

One has been done for you.

| **abrasion (corrasion)** | **attrition** | **hydraulic action** |

corrosion (solution)	chemicals in sea water dissolve the rock
	air and water forced into cracks in the rock
	pebbles smash against each other
	waves smash pebbles against the rock

[2]

(g) 🖉 **CASE STUDY – an example of a coastal erosion management scheme**

- Name a place which has a coastal erosion management scheme.

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- Describe, with detail, the coastal erosion management methods for your chosen place.

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- Explain, with detail, how sustainable these methods are.

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   [9]
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   🖉 **Spelling, punctuation and grammar [3]**

SECTION B – Population and Settlement

2 Use **Figs 4**, **5**, **6 and 7** in the Resource Booklet and the separate **OS Map Extract**.

(a) Study the **OS Map Extract** and **Figs 4** and **5**.

(i) State **one** way the type of housing in **Fig. 4** is different from the housing in **Fig. 5**.

.... **[1]**

(ii) What is the correct four-figure grid reference for the location of the housing shown in **Fig. 4**?

Circle the correct answer   **9606**   **9008**   **9204**   **[1]**

(iii) The housing shown in **Fig. 5** is located in grid square **9507**.
Give the correct number of the A road that goes through this housing area.

A ....   **[1]**

(b) Some housing areas, like the one shown in **Fig. 4**, are knocked down and cleared.

Suggest reasons for why this happens.

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.... **[4]**

Turn over

(c) Study **Fig. 6** which shows a new shopping area.
The location of the new shopping area is shown on the separate **OS Map Extract**.

Give **two** reasons to explain why the new shopping area was built at this location.

Reason 1: ....

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Reason 2: ....

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[4]

(d) Describe how the new shopping area may have affected existing shops and services in the central business district (CBD) of Oldham.

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.... **[4]**

(e) Study **Fig. 7** which shows population pyramids for Uganda (LEDC) and the UK (MEDC).

   (i) (Circle) the correct word to complete the sentence which follows:

   Uganda has a …

             higher   **similar**   **lower**

             …birth rate compared to the UK. **[1]**

   (ii) (Circle) the correct word to complete the sentence which follows:

   Uganda has a …

             higher   **similar**   **lower**

             …life expectancy compared to the UK. **[1]**

(f) Suggest reasons why Uganda's life expectancy is different from the UK's.

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.... **[4]**

Turn over

(g) 🖉 **CASE STUDY – population growth management in a named country**

- Name **one** country where population growth has been managed.

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- Describe, with detail, the strategies used to manage population growth in your chosen country.

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- Explain how successful the population management strategies have been.

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

SECTION C – Natural Hazards

3 Use **Figs 8a**, **8b** and **9** in the Resource Booklet.

(a) Study **Fig. 8a** which shows information about the ten deadliest volcanoes of the twentieth century.
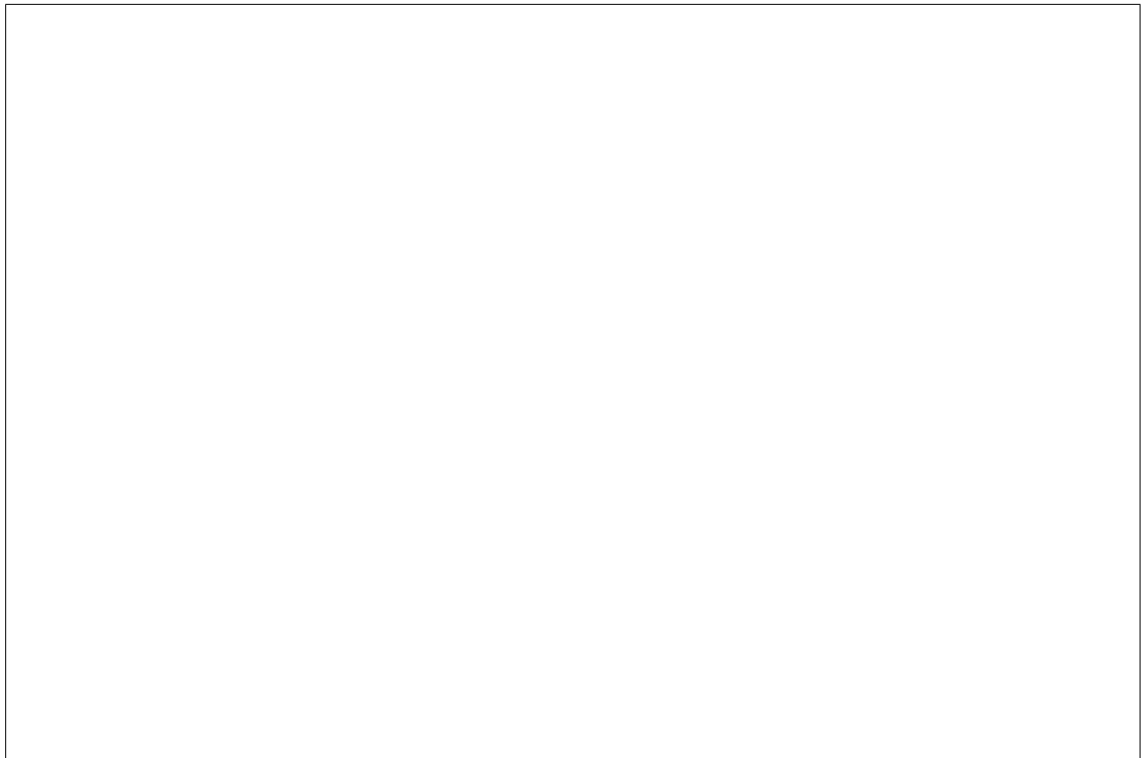
   (i) How many deaths were caused by the Mount Pelée volcano?

   .... **[1]**

   (ii) Which country had the highest number of deadliest volcanoes?

   .... **[1]**

(b) Study the map **Fig. 8b**.

   Name the plate which is moving towards the South American plate.

   .... **[1]**

(c) Draw an **annotated** diagram to show how one type of tectonic plate movement can cause a volcanic eruption. (Annotated means to add written notes to your diagram.)

[4]

(d) State **two** features of a volcanic eruption that may kill people.

Feature 1: ....

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Feature 2: ....

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[2]

(e) Describe, with detail, **two** methods used to predict volcanic eruptions.

Method 1: ....

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Method 2: ....

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[4]

(f) Explain the benefits for people who live in areas of volcanic activity.

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.... [4]

(g) Study **Fig. 9**, a satellite image of a tropical storm over Japan.

Suggest the likely impacts of the tropical storm as it passes over Japan.

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.... **[4]**

Turn over

(h) 🖉 **CASE STUDY – An example of a climatic hazard event in an LEDC**
(such as a severe drought or a tropical storm)

- Name an **LEDC** place which experienced a climatic hazard event.

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- Describe, with detail, the methods that were used to reduce the impact of the climatic hazard.

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- Explain, with detail, how successful these methods were.

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[9]
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🖉 **Spelling, punctuation and grammar [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.

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