



# Wednesday 3 June 2015 – Afternoon

### **GCSE GEOGRAPHY B**

**B563/02** Key Geographical Themes (Higher Tier)

Candidates answer on the Question Paper.

### OCR supplied materials:

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

Other materials required:

None

**Duration:** 1 hour 45 minutes



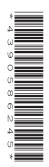
Candidate forename				Candidate surname			
Centre numb	er			Candidate nu	ımber		

### **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(e), 2(f) and 3(g). 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**

Use	Fig	s 1, 2 and 3 in the Resource Booklet.
(a)		dy <b>Fig. 1</b> which shows hydrographs for a river valley location in 1980 and 2010, after lar rainstorms.
		cribe the difference between the peak discharge in 1980 and 2010. data from <b>Fig. 1</b> to support your answer.
		[3]
(b)	Stud	dy Fig. 2 which shows the landscape of this river valley in 1980 and 2010.
	(i)	Explain why there was a greater risk of flooding in 2010 than in 1980.

.....[4]

1

	(ii)	Explain how two other factors can cause river flooding.	
		1	
		2	
			••••
			 [4]
(c)		e <b>two</b> methods used to manage the impact of river flooding.  blain how <b>each</b> method works.	
	1		
	2		
			 [4]

a)	Siu	dy <b>Fig. 3</b> which shows evidence of coastal erosion at 5kipsea on the Holderness coast	•
	(i)	Describe the impact of coastal erosion on communities such as Skipsea.	
			[4
	(ii)	<b>Fig. 3</b> shows a destructive coastline. Other coastlines are constructive. What is meant by 'constructive coastline'?	
			. <b></b>
			ر دع

# (e) S CASE STUDY – coastline management

Name an area of coastline where there is a scheme to manage coastal erosion.
Describe the methods used to manage coastal erosion and describe the conflicts that these methods may cause. (Include at least <b>three</b> developed ideas).
[9]

© OCR 2015 Turn over

## **SECTION B – Population and Settlement**

Use	Fig	s 4, 5, 6 and 7 in the Resource Booklet and the separate OS map extract.
(a)		dy the <b>OS map extract</b> which shows an urban area and <b>Fig. 5</b> which shows an area of sing in the town.
	(i)	Give a four-figure grid reference of the central business district (CBD) of Oldham.
		[1]
	(ii)	The housing area shown in <b>Fig. 5</b> is located in grid square 9507.
		Give ${\bf two}$ pieces of evidence from the photograph that shows this is an edge of town location.
		1
		2
		[2]
(b)		dy <b>Fig. 4</b> which shows a different area of housing in the town. It is located at grid reference 044.
	why	ising areas like the one shown in <b>Fig. 4</b> are being knocked down and cleared. Suggest some people may be against this type of inner city redevelopment where houses are cked down and cleared.
		[4]

2

(c)	Study Fig. 6 which shows a new shopping area. Its location is shown on the separate OS map extract.
	Give <b>two</b> reasons to explain why the shopping area has been built at this location.
	1
	2
	[4]
(d)	Explain how this new shopping area may affect the CBD of Oldham.
	[4]

(e)	Stu	dy <b>Fig. 7</b> which shows two population pyramids for Uganda (an LEDC) and UK (an MEDC)
	(i)	Describe the difference in the birth rate and life expectancy between the two countries.
		Birth rate
		Life expectancy
		[2]
	(ii)	The dependent population of a country consists of the people who are not of working age and do not contribute to the economy of the country.  Explain how the dependent population will be supported in different ways in the two countries.
		ΓA <sup>*</sup>

# 9 (f) CASE STUDY – population management strategies in a named country Name a country where population growth has been managed. Describe the attempts made to manage natural population change. Explain how sustainable the management strategies have been. (Include at least three developed ideas). ..... .....

F Spelling, punctuation and grammar [3]

.....[9]

## **SECTION C – Natural Hazards**

Use	Figs 8b and 9 in the Resource Booklet.
(a)	Study <b>Fig. 8b</b> , a map showing the location of the ten deadliest volcanoes of the twentieth century and main tectonic plates.
	Describe <b>three</b> features of the distribution of the volcanoes shown on <b>Fig. 8b</b> .
	1
	2
	3
	[3]
(b)	Some volcanoes erupt infrequently. Give <b>two</b> reasons why such volcanoes may be dangerous.
	1
	2

[2]

3

Describe a	nd explain <b>tw</b>	<b>o</b> methods	used to pre	edict volcanio	c eruptions.	
	nd explain <b>tw</b>					
1						
1						
1						

© OCR 2015 Turn over

Explain why volcanic activity can have benefits for people who live near a volcano.
Study Fig. 9, a satellite image of a tropical storm over Japan.
Suggest the likely primary and secondary impacts of the tropical storm as it passes of Japan.

## (g) CASE STUDY – a climatic hazard event in an LEDC

Name the LEDC and state the type of climatic hazard.
Describe the methods that were used to reduce the impact of the climatic hazard and assess how successful these methods were. (Include at least <b>three</b> developed ideas).
[9]
4

**END OF QUESTION PAPER** 

✓ Spelling, punctuation and grammar [3]

## **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.			
•••••			
••••••			
•••••			

• • • • • • • • • • • • • • • • • • • •	
•••••	
• • • • • • • • • • • • • • • • • • • •	
• • • • • • • • • • • • • • • • • • • •	


# OCR Oxford Cambridge and RSA

### Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact the Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.