

GCSE GEOGRAPHY

Paper 2 Challenges in the human environment

Specimen 2015

Materials

For this paper you must have:

- a pencil
- a ruler.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the bottom of this page.
- Answer all questions in Section A and Section B.
- Answer Question 3 and one other question in Section C.
- You must answer the questions on the spaces provided. Do **not** write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The total number of marks available for this paper is 88.
- Spelling, punctuation, grammar and specialist terminology will be assessed in Question 01.8.

Advice

For the multiple-choice questions, completely fill in the circle alongside the appropriate answer(s).

CORRECT METHOD \bullet wrong methods \otimes \bullet \Rightarrow ϕ

If you want to change your answer you must cross out your original answer as shown.

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.

Please write clearly, in block capit	itals, to allow character computer recognition.
Centre number	Candidate number
Surname	
Forename(s)	
Candidate signature	

Component code

Time allowed: 1 hour 30 minutes



	01.1	U: or	sing Figure 1 , which two of the following statements are true? Shade two circles nly.
		A	The population of the core grew fastest between 1991 and 2011.
		в	The population of the suburbs grew more rapidly than the core obtained between 1931 and 2011.
		С	The population of the suburbs was approximately 2 million in O
		D	The total population of Kolkata, including its suburbs, was just over 14 million in 2011.
		Е	The total population of Kolkata, including its suburbs, was over 10 times greater in 2011 than in 1901.
			[2 marks]
	0 1 . 2	S	uggest how the following factors have led to population growth in Kolkata. [2 marks]
		1	Natural increase:
		2	Migration:
			Question 1 continues on the next page.
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Study Figure 2 , a photograph showing part of a squatter settlement on the edge of Kolkata.
Figure 2
0 1 . 3 Suggest two problems of living in this part of Kolkata.
Use evidence from Figure 2. [2 marks]
Problem 1:
Problem 2:

01.4	Describe how urban areas provide opportunities for people. Use a case study of a city in a lower income country (LIC) or a newly emerging economy (NEE).
	[0 murks]
	Question 1 continues on the next page



Study Figure 3, a 1:50 000 map of Dundee, a city in Scotland.

01.5	Which grid square shows part of the rural–urban fringe of Dur only.	dee? Shade one circle
	A 3630	0
	B 3833	0
	C 3930	0
	D 3934	(1 mark)
01.6	Describe the effects of urban sprawl on people and the enviro	nment.
	Use Figure 3 and a case study of a major city in the UK.	[6 marks]
	· · · · · · · · · · · · · · · · · · ·	
	Question 1 continues on the next page	

01.7	Identify two problems caused by traffic congestion. [2 marks] Problem 1:
	Problem 2:
	Study Figure 4 , photographs showing four methods of reducing traffic problems in urban areas.
	<image/>
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01.8	Explain how traffic congestion is being reduced in urban areas.	
	Use Figure 4 and an example you have studied.	[0 morke]
		[9 marks] [+ 3 SPGST marks]
	End of Section A	
	Turn over for Section B	



	Figure 6	
	Indicator of d	evelopment
Country	Life expectancy (years)	Adult literacy rate (%)
Nigeria	52	61
Russian Federation	70	99
China	75	95
India	66	63
Afghanistan	61	28
Sierra Leone	45	43
Italy	83	99
Egypt	71	74
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	e two indicators are us	seful measures of

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0 2 . **6** Give **two** reasons why there has been a growth in the number of science parks in the UK. [2 marks] Reason 1: Reason 2: Question 2 continues on the next page



02.7	Using Figure 8: [2 marks]
	 compare the percentage of the price received by the Fairtrade banana producer with that of a non-Fairtrade banana producer
	 calculate the increase in retail sales value of Fairtrade bananas between 2000 and 2012.
02.8	Outline one way that Fairtrade helps to deal with the problems of unequal development. [2 marks]
02.9	Suggest one reason why Fairtrade schemes are not always successful. [2 marks]
	Question 2 continues on the next page

02.10	Discuss the advantages and disadvantages of transnational corporations (TNCs) for one lower income country (LIC) or newly emerging economy (NEE). [9 marks]
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	End of Section B



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03.1	Suggest one reason for the development of fracking in the UK. [1 mark]
03.2	Using Figure 10 , describe the distribution of areas with existing licences for fracking in the UK. [2 marks]
03.3	With the help of Figures 9 and 10 , explain why the process of fracking for gas causes conflict between different groups of people. [6 marks]
	Question 3 continues on the next page







04.2	Using Figure 13 , describe the distribution of countries in Africa where there and very high levels of undernourishment.	are high [2 marks]
04.3	Give two causes of food insecurity.	[2 marks]
	Cause 1:	
	Cause 2:	
04.4	Explain how food security can be improved.	[6 marks]

Question 5 Water resources



Study Figure 14, a map showing the total amount of water available per person in

05.2	Using Figure 14 , describe the distribution of countries in Africa where there than 1000 cubic metres of water per person per year in 2010.	was less
		[2 marks]
05.3	Give two causes of water insecurity.	[2 marks]
	Cause 1:	
	Cause 2:	
0 5 . 4	Explain how water security can be improved.	[6 marks]



06.2	Using Figure 15 , describe the distribution of countries in Africa where the people of electricity from hydroelectric power is 85% or more.	ercentage [2 marks]
06.3	Give two causes of energy insecurity.	[2 marks]
	Cause 1:	
	Cause 2:	
0 6 . 4	Explain how energy security can be improved.	[6 marks]



Version 0.1