

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

	CANDIDATE NAME		
	CENTRE NUMBER	CANDIDATE NUMBER	
	GEOGRAPHY		0460/12
	Paper 1		May/June 2012
			1 hour 45 minutes
υ μ	Candidates ans	swer on the Question Paper.	
	Additional Mate	erials: Ruler	
·			

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided. Write in dark blue or black pen. You may use a soft pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO **NOT** WRITE ON ANY BARCODES.

Write your answer to each question in the space provided. If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.

Answer three questions.

The Insert contains Photographs A, B and C for Question 1, Photographs D and E for Question 2, and Photographs F and G for Question 3. The Insert is **not** required by the Examiner. Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question.

For Exam	iner's Use
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Total	

This document consists of 28 printed pages and 1 Insert.



QUESTION 1

For Examiner's Use

1 (a) Study Fig. 1, which shows information about the population density in India (an LEDC).



Fig. 1

(i) Identify a state in India with a population density of 800 people or more per square kilometre.

.....

[1]

[2]

(ii) The Indian state of Karnataka has a population of 52.73 million (52730000) and an area of 191976 square kilometres. Calculate its population density. Show your calculations.

List the three states in India which have the lowest population density. (iii) For Describe one similarity in the location of all three of these states. Examiner's Use 1 2 3 Similarity in location[3] (iv) Many parts of India are densely populated. Give reasons why both agricultural areas and industrial areas may be densely populated in an LEDC.[4] (b) Study Photographs A, B and C (Insert), which show areas with a low population density. Give one reason why each of the areas shown are sparsely populated. (i) You should choose a different reason for each photograph. Photograph A Photograph B Photograph C

[Turn over www.theallpapers.com

(ii) Explain why some towns may grow up in areas which otherwise have a low population density.

(c)	For a named country which you have studied, explain why the birth rate is high.	For
	Name of country	Examiner's Use
	[7]	
	[Total: 25 marks]	

END OF QUESTION 1

QUESTION 2





Nottingham CBD (1980)

Кеу
food and drink
clothing
shoes
banks
others

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Fig. 2A 0460/12/M/J/12 For



Fig. 2B

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[Turn over www.theallpapers.com

(i)	Which position on Fig. 2B is Photograph D taken from? Circle the correct answer below.			For Examiner Use	's	
		1	2	3	[1]	
(ii)	Giv	e an example from Fig.	2B of:			
	Α	a bank;				
	в	a type of shop or serv		10		
		exist in 1980 but had	been opened by 20	10	[2]	
(iii)		e three pieces of evide BD.	nce from Photograp	h D or Fig. 2B that the a	area is part of	
	1.					
	2.					
	3.					
					[3]	
(iv)	Exp	plain why the CBD of a	city has a large sph	ere of influence.		
					[4]	

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(b) Study Fig. 3, a map of the main transport links in Nottingham, along with Photograph E (Insert) which shows part of the tram line.







[Turn over www.theallpapers.com

(i)	Describe three features of the route of the tram line shown on Fig. 3.	For Examiner's
	1	Use
	2	
	3	
	[3]	
(ii)	Suggest benefits and problems of public transport systems, such as trams, for people who live in cities.	
	[5]	

(c) For a named example of a town or city which you have studied, explain how urban sprawl has changed the surrounding areas.

For Examiner's Use

Name of town or city
[7]
[Total: 25 marks]

END OF QUESTION 2



(b)	Study Photograph G (Insert), which shows rocks where biological weathering is taking place.		
	(i)	Describe how biological weathering has occurred in the area shown.	Use
		[3]	
	(ii)	Explain why biological and chemical weathering are rapid in areas which are hot and wet.	
		[5]	

Describe and explain the process of freeze-thaw weath nclude fully labelled diagrams.	-
	[7]
	[Total: 25 marks]
END OF QUESTION 3	



10

5

0



height

in

metres

45

40

35

30

25

20 15

10

5 0

4 (a) Study Fig. 4, which shows an area of tropical rainforest.

CLEARING

CASSAVA



(b) Study Fig. 5, a flow diagram showing processes which take place in a tropical rainforest.





(i) Explain how nutrients are cycled in a tropical rainforest ecosystem.

[3] 12 0460/12/M/J/12

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	Describe the impacts of large scale deforestation of tropical rainforests on the local natural environment.
	[5]
For whic	a named area of tropical rainforest which you have studied, describe the ways in the benefits people.
	a of tropical rainforest
•••••	
·····	

[Total: 25 marks]

END OF QUESTION 4

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QUESTION 5

5 (a) Study Fig. 6, which shows information about employment in manufacturing industry in selected countries in Europe and Asia in 1991 and 2010.



For Examiner's Use (iii) Compare the changes which have taken place in employment in manufacturing industry between 1991 and 2010 in Europe and Asia. Suggest reasons for these changes.



(b) Study Figs 7A, 7B and 7C, which show information about Nigeria.



Industrial zones in Nigeria





Fig. 7B

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Using Figs 7B and 7C only, suggest reasons for the distribution of the industrial zones in Nigeria which are shown in Fig. 7A. Examiner's[4] (iii) Describe the advantages and disadvantages for **people** of living in industrial zones.[5]

For

Use

(ii)

(c) For a named area where manufacturing industry is important, describe its impacts on the **natural environment**.
Name of area

[Total: 25 marks]

END OF QUESTION 5

For Examiner's Use

QUESTION 6

6 (a) Study Fig. 8, which shows information about rivers in Guinea, an LEDC in West Africa. Much of the water used in Guinea is obtained from the rivers shown on Fig. 8.

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- (i) Name a river which has its source in Guinea but flows to the sea through Sierra Leone.
 -

[1]

(ii) Suggest two reasons why conflicts may occur when a river flows through more than one country.

1
2
[2]

- (iii) Explain how improving the water supply in LEDCs, such as Guinea, is likely to improve the quality of life. Examiner's
 -[3]
- (b) Study Figs 9A and 9B, which show information about the River Ebro in Spain (an MEDC in Europe).



Fig. 9A

EBRO RIVER PROJECT TO SOLVE SOUTHERN SPAIN'S WATER PROBLEMS

In the late 1990s plans were drawn up to transfer large amounts of water each year from the Ebro River basin in Spain's rainy north to its dry south. The Ebro Transfer, a network of dams and pipes, would send water to Granada and the southern holiday coast.

For

Use

(i)	Explain why the Ebro River Project was planned.	For
		Examiner's Use
	[3]	
(ii)	Describe other methods which can be used to supply more water to areas which need it.	
<i>/</i> ····\		
(iii)	Explain how water can be used in a sustainable way.	
	[5]	

(c)	For a named country or area which you have studied, describe one way in which energy is produced.	For Examiner's Use
	Name of area or country	
	[7]	
	[Total: 25 marks]	

END OF QUESTION 6

	Additional P	'age			For
If you used the following lines to number(s) must be clearly shown.	complete the a	nswer(s) to any	question(s), t	he question	Examiner Use
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