

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

CANDIDATE NAME				
 CENTRE NUMBER			CANDIDATE NUMBER	
<b>GEOGRAPHY</b> Paper 1			October/Nove	0460/13 ember 2012
			1 hour	45 minutes
Candidates answ	wer on th	ne Question Paper.	r.	
Additional Mater	rials:	Calculator Protractor		

### **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 2, Photograph D for Question 3 and Photographs E, F and G for Question 6.

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 Examiner's Use				
Q1				
Q2				
Q3				
Q4				
Q5				
Q6				
Total				

This document consists of 26 printed pages, 2 blank pages and 1 Insert.



UNIVERSITY of CAMBRIDGE International Examinations

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#### **QUESTION 1**

(a) Study Fig. 1, which shows information about the population of four countries.

Country	Area (sq km)	Population	Population density (per sq km)	Birth rate (per 1000)	Death rate (per 1000)	Natural population growth rate (per 1000)
Bangladesh	143998	156050883	1084	24.7	9.2	
Pakistan	796095	174578558	219	25.9	7.2	18.7
Australia	7741220	21 262 641	2.7	12.5	6.7	5.8
Italy	301 340	58126212	193	8.2	10.7	-2.5

#### Fig. 1

(i) Which of the countries listed in Fig. 1 is most densely populated?

.....

(ii) Calculate the natural population growth of Bangladesh. You must show how you worked out your answer.

..... per 1000 people

(iii) Suggest three reasons why the birth rate is higher in Pakistan (an LEDC) than Australia (an MEDC).

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[1]

[2]

Bangladesh is overpopulated. Describe four problems which may be caused by (iv) For overpopulation. 1 ..... . . . . . . . . . . . . . . . . 2..... ..... 3..... ..... ..... 4 ..... .....[4]

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(b) Study Fig. 2, which shows information about California, in the USA. California: Population density SACRAMENTO FRANCISCO Key Population density per square km

0-9.9

☑ 10-99.9

4



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**100**+ 0 100 200 ------ state boundary of California km California: Relief California: Precipitation per year Ν Ν ┫ ┫ Key Key land below 600 m over 250 mm 🖾 land over 600 m 🖾 less than 250 mm state boundary state boundary of California of California 0 100 200 0 100 200 km km

SAN DIEGO

LOS ANGELES

Pacific Ocean

Describe the location of the areas with a high population density (over 100 people (i) per square kilometre) in California. Examiner's ..... ..... ..... ..... .....[3] Using the information in Fig. 2 only, explain the location of areas of high population (ii) density within California. ..... .....[5]

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(c) For an example of international migration which you have studied, name the countries between which people moved. Refer both to pull and to push factors to explain the Examiner's reasons for the migration between your chosen countries.

..... .....[7] [Total: 25 marks]

### **END OF QUESTION 1**

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QUESTI	ON 2	2	For
(a)		dy Photographs A, B and C (Insert), which show three methods of reducing traffic plems in urban areas.	Examiner's Use
	(i)	Traffic can cause congestion in the CBD of many urban areas. What is meant by the initials CBD?	
		C B D [1]	
	(ii)	Which one of Photographs A, B or C, was taken in the CBD? Give <b>one</b> piece of evidence to justify your choice.	
		Photograph	
		Evidence	
		[2]	
	(iii)	Describe how each of the three methods shown in Photographs A, B and C reduces traffic in the CBD.	
		Photograph A	
		Photograph B	
		Photograph C	
		[3]	
	(iv)	Explain why it is important to reduce problems of traffic congestion in urban areas.	
		[4]	1
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Fig. 3

8

(b) Study Fig. 3, which shows the city of Hereford, in the UK.

For

(i)	Suggest three reasons why traffic congestion is likely in the CBD of Hereford.	Ex
	1	
	2	
	3	
	[3]	
)	The planning department of Hereford City Council wants to reduce traffic congestion in the CBD. The following options are being considered:	
	<ol> <li>Restrict the type of vehicle allowed into the CBD;</li> <li>Improve public transport throughout the city;</li> <li>Build a ring road around the city.</li> </ol>	
	Which option would you advise them to choose? Explain why you chose your option and why you rejected the other options.	
	Option	
	[5]	

(c) In many urban areas there are places where people are living in poor quality housing.

10

Name an urban area which you have studied where people are living in poor quality housing. Describe the attempts which have been made to solve this problem.

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Name of urban area
[7]

[Total: 25 marks]

### END OF QUESTION 2

#### **QUESTION 3**



#### [Turn over www.theallpapers.com

(	(iv)	Explain how a river's load is transported by saltation, solution, suspension and traction.	For Examiner's Use
		Saltation	
		Solution	
		Suspension	
		Traction	
		[4]	
(b)	Stu	dy Photograph D (Insert) which shows a river meander.	
	(i)	Describe the features of this meander.	
		[3]	

	(ji)	Explain how river processes have created this landform.	
	(")		For Examiner's
			Use
		[5]	
(c)	For	a named area which you have studied, describe the <b>impacts</b> of river flooding.	
		ne of area	
	Indi		
		[7]	
		······································	

[Total: 25 marks]

## **END OF QUESTION 3**

### **QUESTION 4**

(a) Study Figs 5A and 5B, which show information about deforestation in tropical countries.









### Fig. 5B

(i) Use Fig. 5A to estimate the percentage of deforestation caused by cattle ranching in Amazonia.

....%

[1]

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	(ii)	Explain how deforestation may lead to flooding of local rivers.	Exai
		[5]	
(c)	For the	a named area of tropical rainforest which you have studied, describe and explain main features of its <b>climate</b> .	
	Nan	ne of area of rainforest	
		[7] [Total: 25 marks]	

# **END OF QUESTION 4**

(a) Study Fig. 7, which shows information about industry in Japan.

Most of Japan's industry is located close to the coast. The 'Pacific Belt' between Tokyo and Fukuoka contains 70% of Japan's manufacturing industry. As a result, the main industrial areas are becoming increasingly crowded. This results in a series of problems for the people who live there.

The Japanese government tried to develop industries in other areas. Heavy industry, such as engineering and the making of steel and chemicals, was not suitable as many of the raw materials were imported and the finished products exported. Also the interior of Japan is mountainous.



Fig. 7

For Examiner's Use

(i)	Name an industrial zone in the 'Pacific Belt' of Japan.	For
	[1]	Examiner's Use
(ii)	Give <b>two</b> pieces of evidence from Fig. 7 which suggest that the 'Pacific Belt' is important for Japan's economy.	
	1	
	·····	
	2[2]	
(iii)	Using Fig. 7 only, explain why most of Japan's industry is located in the 'Pacific Belt'.	
	[3]	
(iv)	Suggest likely problems for Japan of having most of its industries situated close together.	
	[4]	
	[,]	

(b) Study Fig. 8, information about the Technopolis Programme in Japan.



Fig. 8

Ju	ggest why areas chosen as Technopolis sites needed to be:
•	near a city with a population of at least 150000 people;
•	near a university;
•	in an area with good transport links.
-	[3]
Su	[3] ggest advantages for cities like Hakodate of being chosen as a Technopolis site.
Su	
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Su 	ggest advantages for cities like Hakodate of being chosen as a Technopolis site.

(C)	Explain the causes	of global v	varming. You	should include a	labelled diagram.
-----	--------------------	-------------	--------------	------------------	-------------------



[7]
[Total: 25 marks]

# **END OF QUESTION 5**

### **QUESTION 6**

(a) Study Fig. 9, which shows information about the Gross Domestic Product (GDP) per person and the percentage of people employed in the primary sector in selected countries.

GDP is a measure of a country's wealth.

Give an example of a job in the primary sector.





(i)

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(iii) Explain why countries with a low GDP per person have a high percentage of people employed in the primary sector. Examiner's ..... .....[3] (iv) Explain why some countries have a large percentage of their population working in the tertiary sector. ..... ..... .....[4] (b) Study Photographs E, F and G (Insert), which show an area where tourism has developed in Swaziland (an LEDC in Africa). (i) Using Photographs E, F and G only, identify three attractions of Swaziland for tourism. 1 2 ..... 3..... .....[3]

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	Explain how the infrastructure of a country changes as tourism develops.
	[5]
Fc na	r a named area which you have studied, describe the impacts of tourism on the tural environment.
NI-	ame of area
110	
•••	
•••	
•••	
····	
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Additional Page	For
If you use the following lined page to complete the answer(s) to any question(s), the question number(s) must be clearly shown.	Examiner's Use

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