

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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CANDIDATE NAME				
CENTRE NUMBER		CANDIDATE NUMBER		

GEOGRAPHY 0460/11

Paper 1 May/June 2012
1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: 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, C and D for Question 2, and Photograph E for Question 5.

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 25 printed pages, 3 blank pages and 1 Insert.



QUESTIC	DN 1		2			ies. Life Expectancy
1 (a) S	Study Fig. 1, w	Total population (millions)	Birth Rate (per 1000)	Death Rate (per 1000)	Net Migration (per 1000)	Life Expectancy (years)
MEDCo	Germany	82	8.2	11.0	+2.19	79
MEDCs	Spain	41	9.5	10.1	+0.99	80
LEDCa	Ethiopia	88	43.4	11.3	-0.02	56
LEDCs	Ghana	24	28.1	8.9	+0.61	61

Fig. 1

(i)	Wh	nich one of the countries shown in Fig. 1 has the smallest total population	n?
	••••		[1]
(ii)		lculate the natural population growth rate of Ghana. ow your calculations below.	
			[2]
(iii)	lde	entify from Fig. 1 the country where:	
	A	people live the longest on average;	
	В	the total population is increasing most rapidly;	
	С	there is more emigration than immigration.	[3]

(iv)	Explain why life expectancy is high in MEDCs.	Maria
		Se.co.
Stud 205	dy Fig. 2, which shows the growth rate of the world's population between 1950 and (predicted).	
	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	
(i)	Fig. 2 Describe the changes in the world population growth rate between 1950 and 2010.	
	Refer to years and statistics in your answer.	

(ii)	Describe and suggest reasons for the predicted change in world population	J. D.
		•••
		•••
	[5]
For	an example of international migration which you have studied, name the countries ween which people moved.	es
Ехр	lain why many people made the decision to migrate. You should refer both to pu	ull
	to push factors. nes of countries: Fromto	
	inco of countries. From	
		•••

QUESTION 2

2

	5	Repapers.com
ON :		E. Carrier
Stu are	dy Photographs A, B , C and D (Insert), which show land use zones in an urba ${\sf a}$.	Middle
(i)	Describe two differences between the housing in Photographs B and C.	COM
	1	
	2	
	[2]
(ii)	Redevelopment is replacing old buildings with new ones. Identify the photograph which shows redevelopment taking place.	
	Photograph	1]
(iii)	Give three different reasons why redevelopment has taken place in many urba areas.	ın
	1	
	2	
	3	
	[3]
(iv)	Explain why redevelopment in urban areas may cause conflict.	
	[a	4]

(b) Study Fig. 3, a model of urban land use.

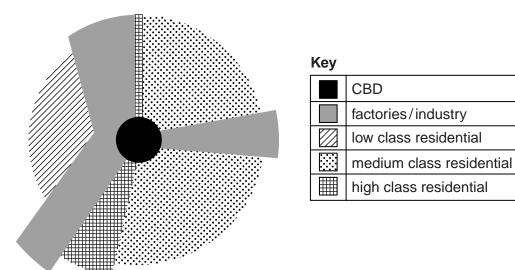


Fig. 3

(1)	Describe and suggest reasons for the location of the industrial zone.
	[3]
(ii)	How relevant do you think the model shown in Fig. 3 is for describing urban land use? Explain your answer by referring to LEDCs and MEDCs.

(c)	In many L	EDCs s	squatter	settlements	have	grown up.
ν-/				•••••		g. • •.p.

www.xtrapap	ers.com
7	
In many LEDCs squatter settlements have grown up.	
7 In many LEDCs squatter settlements have grown up. For a named example of an LEDC city, describe the main features of one of its squatte settlements. Name of city	ide
Name of city	COM
[7]	

END OF QUESTION 2

3 (a) Study Fig. 4, a map showing the drainage basin of the River Lee.

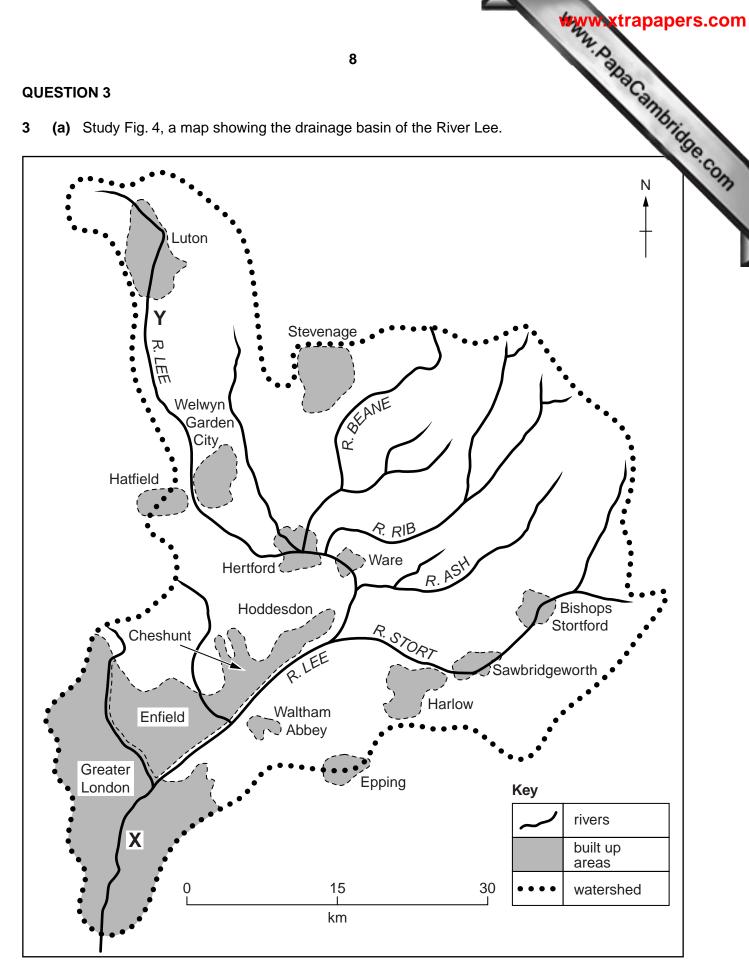
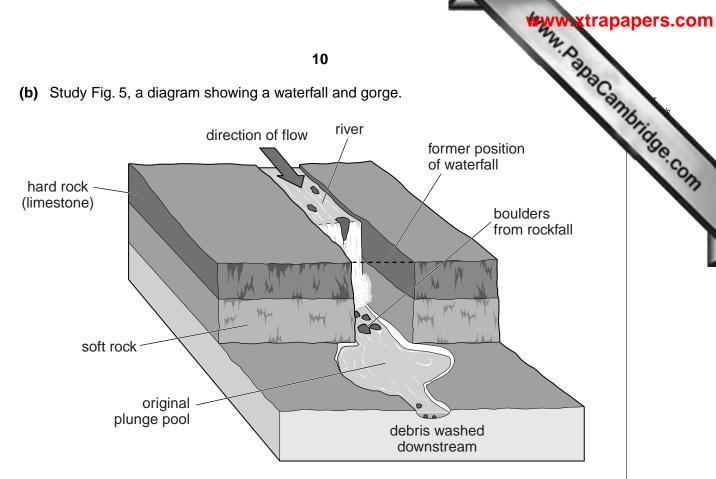


Fig. 4

(i)	Name a tributary of the River Lee.	B.
(ii)	Name a tributary of the River Lee. Give two reasons why the amount of water in the river is greater at X than Y .	age.
	2	
	[2]	
(iii)	Suggest three likely differences between the shape of the river valley at X and at Y .	
	1	
	2	
	3	
	[3]	
(iv)	Explain how the River Lee might bring both benefits and problems for people who live in Hertford.	
	[4]	

(b) Study Fig. 5, a diagram showing a waterfall and gorge.

(i)



10

Fig. 5

The river is eroding by hydraulic action, corrasion (abrasion) and corrosion.

Define each of these terms.	
Hydraulic action	
Corrasion (abrasion)	
Corrosion	
	[3]

(ii)	Explain how the waterfall and gorge shown in Fig. 5 have been formed.	Bridge com
		Orida
		COM
		1
	[5]	
	[5]	

Explain how an oxbow lake is formed. You should include fully labelled diagram(s	2
	Tide

[7]

(a) Study Fig. 6, which shows major plates and the location of fold mountains.

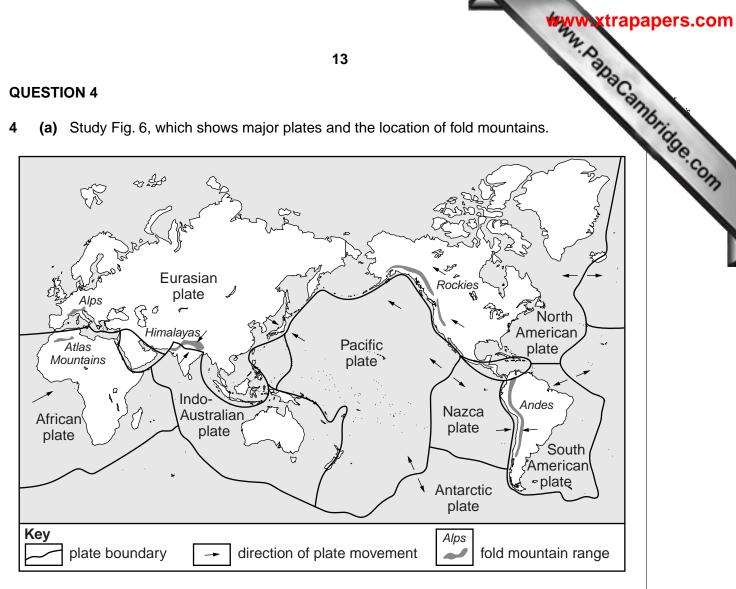


Fig. 6

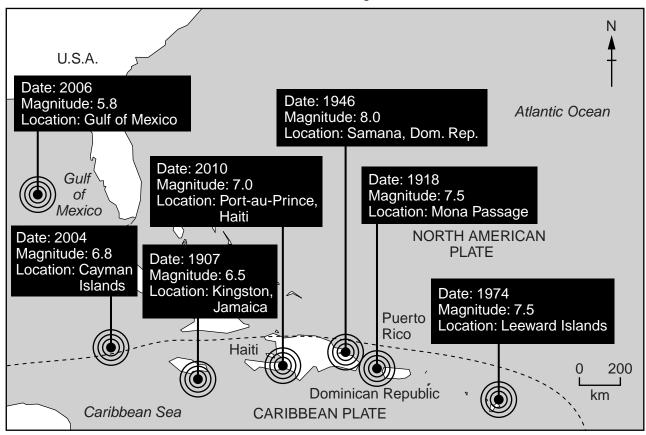
(1)		asian and Indo-Australian plates.	are along the boundary between the
			[1]
(ii)	Exp	olain how fold mountains have been formed	along this collision boundary.
			[2]
(iii)	Nar	me the type of plate boundary between the	following plates:
	A	Nazca plate and South American plate;	
	В	Antarctic plate and Pacific plate;	
	С	North American plate and Pacific plate.	

)	Describe the processes which occur at convergent (destructive) plate bout to cause volcanic eruptions.	St.
		age.C
	[4]	
	du Fig. 7 which chave information chave acretical in the Caribbaca	

(b) Study Fig. 7, which shows information about earthquakes in the Caribbean.

Caribbean earthquakes

Selected notable tremors showing year of occurence, magnitude and epicentre location in the Caribbean region since 1900.



Key

---- plate boundary

Fig. 7

E	Explain why many earthquakes have occurred in the area shown in Fig. 7.
,	Explain why many earthquakes have occurred in the area shown in Fig. 7.
	[3]
	Many countries in the area shown in Fig. 7 are LEDCs. Explain why earthquakes often have devastating effects in LEDCs.
,	

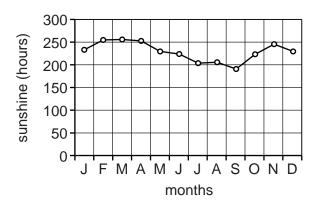
	www.xtrap	apers.com
	16 A. P. P.	
(c)	To a named example which you have studied, explain why people live clos volcano. Name of volcano	M.
	Name of volcano	Tage
		COM
	[7]	
	[7]	

END OF QUESTION 4

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TURN OVER FOR QUESTION 5

stination in the land to the l 5 (a) Study Fig. 8, information about the climate of the Maldives (a tourist destination in the Indian Ocean).



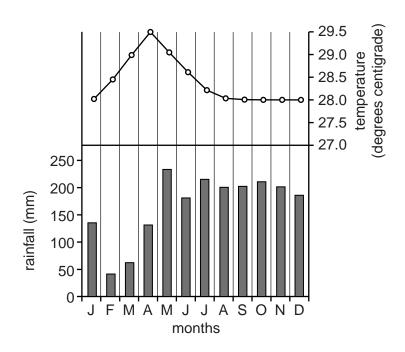


Fig. 8

Identify the month which has the lowest rainfall. (i)

[1]

What is the annual range of temperature? Show your calculations below.
Ortio
What is the annual range of temperature? Show your calculations below.
[2]
Use only the information in Fig. 8 to explain why tourists are attracted to the Maldives all year round.
[3]
Study Photograph E (Insert) which was taken in the Maldives.
Using only evidence from the photograph, explain why many tourists find such destinations attractive.

(b) Study Fig. 9, information about the average number of tourist arrivals in the Malo.

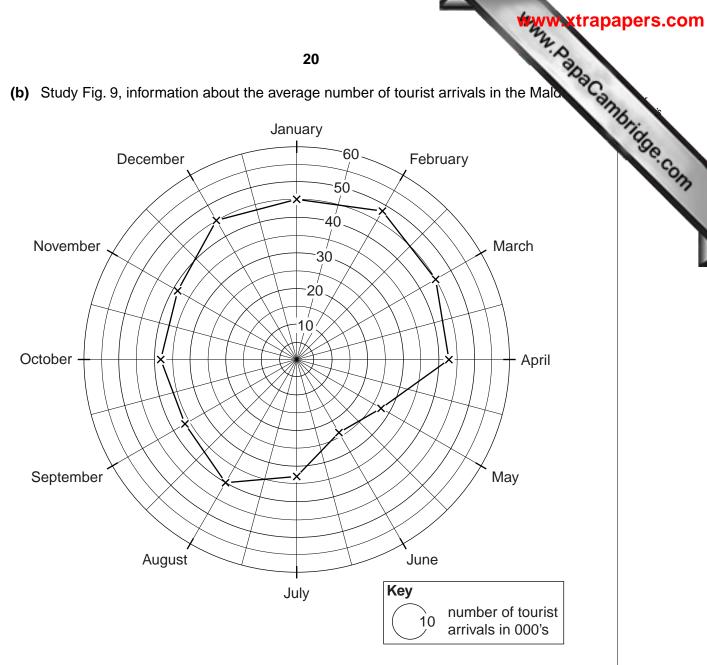


Fig. 9

should refer to statistics in your answer.
[3]

(i) Compare the number of tourist arrivals in June and November in the Maldives. You

	21	
)	21 Suggest how the tourist industry benefits and disadvantages the people in the Maldives.	And.
		Ide
		1
		•
		-
		•
nv	a named area which you have studied, explain how tourism is damaging the natura ironment. ne of area	-
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(a) Study Fig. 10, information about an area where the land is used for commercial farming 6 around the village of Canicatti in Sicily. (Sicily is part of Italy, an MEDC).

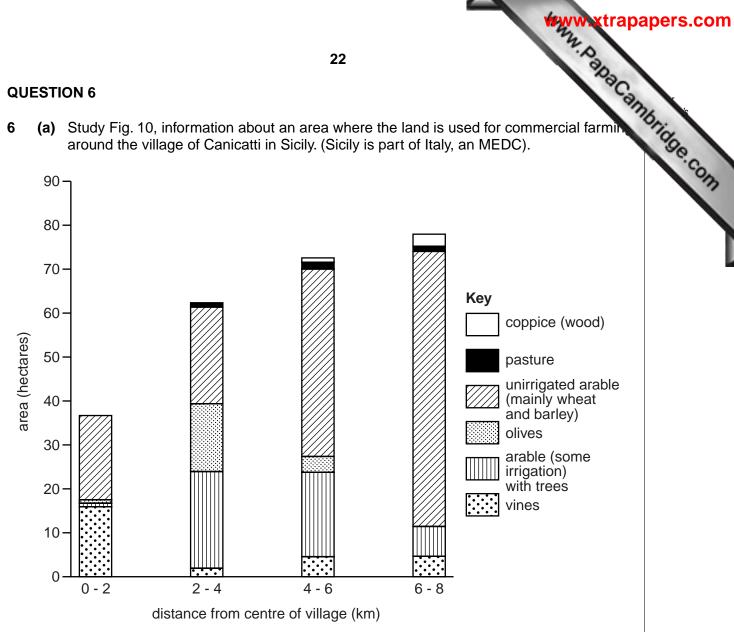


Fig. 10

What is meant by commercial farming?

	[1]
(ii)	Describe two differences between the land use between 0 and 2 kilometres from the centre of the village and between 6 and 8 kilometres from the centre of the village.
	1
	2
	[2]

(iii)	Using examples from Fig. 10, suggest reasons to explain why a farmer may land in different ways as distance from the village increases.	Br.
		age Co.
		133
		1
		_
(iv)	Give four examples of physical factors which affect how farmers use their land.	
(14)	1	
	2	
	3	
	4	
	[4]	

(b) Study Fig. 11, which shows an area in an MEDC where commercial farming is place.

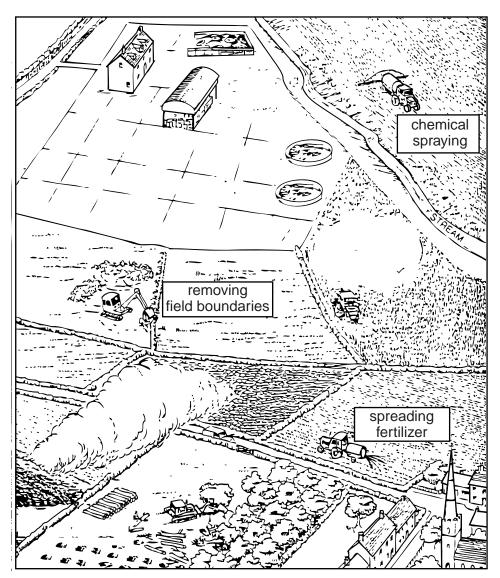


Fig. 11

(i)

Explain why farmers carry out each of the three activities which are labelled on Fig. 11.
Removing field boundaries
Chemical spraying
Spreading fertilizer

	(ii)	Use Fig. 11 and your own knowledge to explain how farming damage variety invironment.
		[5]
(c)		n example of small-scale subsistence farming at a named location which you have ed, describe the farming processes.
	Loca	ion of small scale subsistence farming
	Loca	ion of small scale subsistence farming
	Loca	

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Question 2 Photograph A, B, C and D Question 5 Photograph E

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