

CANDIDATE

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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1 hour 45 minutes

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Paper 1	October/No	vember 2013
GEOGRAPHY		0460/11
CENTRE NUMBER	CANDIDATE NUMBER	
NAME		

Candidates answer on the Question Paper.

Additional Materials: Ruler

Calculator

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.

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This Insert contains Figs 3A and 3B for Question 2, Photograph A for Question 3, Photograph B for Question 4, and Photographs C, D and E 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 27 printed pages, 1 blank page and 1 Insert.



[Turn over

(a) Study Fig. 1, which shows information about the birth and death rates of Sudan (LEDG and Canada (MEDC).

Country	Birth rate (per 1000 of population)	Death rate (per 1000 of population)	Infant mortality rate (per 1000 live births)
Sudan	36.1	11.0	68.1
Canada	10.2	8.0	4.9

Fig. 1

(i)	Sudan has an infant mortality rate of 68.1. What is meant by this?	
		[1]
(ii)	Calculate the natural population growth rate of Canada. You must show your calculations in the box below.	
	Natural population growth rate = per 1000	
		[2]
(iii)	Give three reasons why there are low death rates in MEDCs such as	s Canada.
	1	
	2	
	3	
		[3]

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(b) Study Fig. 2, which shows information about population change.

Population Change (%)

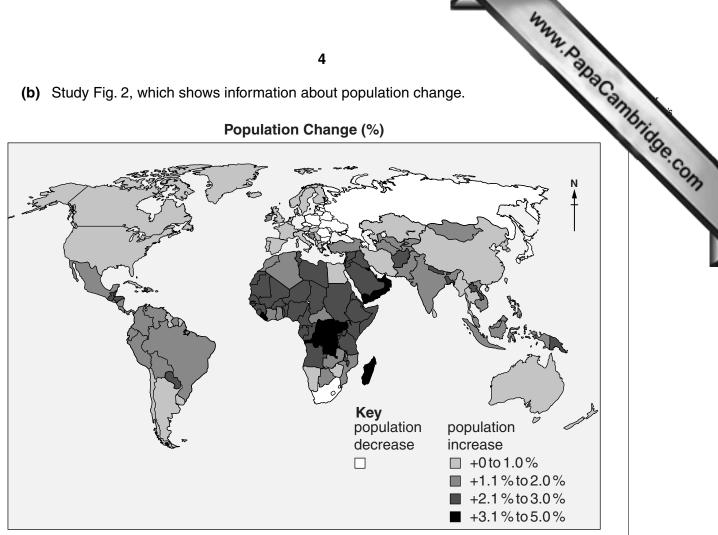


Fig. 2

Compare the population change in Africa information from Fig. 2.	with that in South America. Refer to
	เส

(i)

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(c) The population of a country can change as a result of migration. Choose an example of an international migration which you have studied and nan

the countries between which people moved. By reference to both pull and push factors,

www.PapaCambridge.com explain why many people made the decision to migrate. Example of international migration From to to

[Total: 25 marks]

(a)	Stu	tudy Figs 3A and 3B (Insert), maps which show areas close to Caen in France.			
	(i)	(i) The maps in Figs 3A and 3B show both urban and rural settlements. What is the difference between an <i>urban</i> and a <i>rural</i> settlement?			
					[1]
	(ii)			anville and St. Aubin d'Arc rrect word which describes	
		La	a Brèche d'Hermanvil	le	
		nucleated	linear	dispersed	
			St. Aubin d'Arquenay	,	
		nucleated	linear	dispersed	[2]
	(iii)			Fig. 3B, there is an area of stics of an area of dispe	
		1			
	2				
	3				
					[3]

www.papaCambridge.com (b) Study Figs 4A, 4B and 4C, which show information about the town of Savignano (MEDC in Europe).

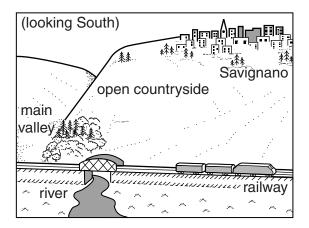
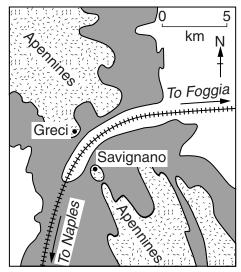


Fig. 4A



Key

Over 1000 metres

400-999 metres

Under 400 metres

settlement

railway ннн

Fig. 4B

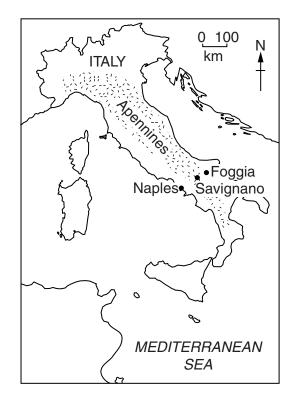


Fig. 4C

Describe the site of Savignano.
Describe the site of Savignano.
[3]
Suggest reasons to explain the site of Savignano.
[4]
Suggest the likely impacts of the growth of urban areas such as Savignano on the natural environment.
[5]

www.PapaCambridge.com (c) State one function of a large urban area which you have studied. Explain why the urban area has this function. Name of urban area

[Total: 25 marks]

(a) Study Fig. 5, which shows different types of weathering and their causes.

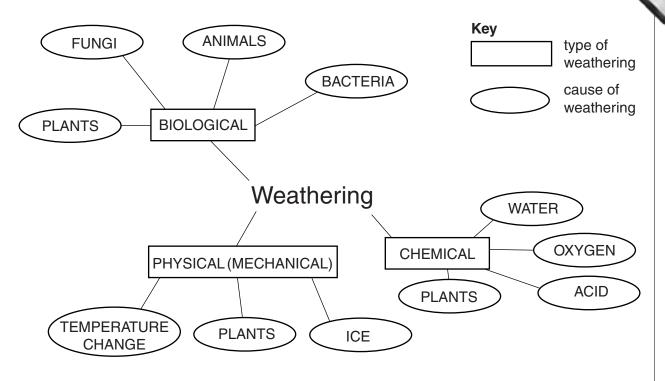


Fig. 5

(i)	Using Fig. 5, identify one cause of physical (mechanical) weathering and one cause of chemical weathering.
	Cause of physical (mechanical) weathering
	Cause of chemical weathering[1]
(ii)	Name:
	a type of physical (mechanical) weathering caused by ice;
	a type of chemical weathering caused by acid.
	[2]

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(1	111)	Describe now biological weathering occurs.
		[3]
(i	iv)	Explain the main factors which influence the type and rate of weathering.
		[1/1]
(1-)	O4	[4]
		ly Photograph A (Insert), which shows a landscape formed in a tropical desert area.
	(i)	Describe the appearance of the landscape shown on Photograph A.
		[3]

m,		
13	and I	
Exfoliation is one process of weathering operating in the area shown in Photog Describe how this process occurs. You may use a labelled diagram in your answer.	TaCan,	Bridge
		G. COM
		1
	1	

[5]

(ii)

	the state of the s
	14 M. D.
c)	For a named area of tropical desert which you have studied, describe and explicitly characteristics of its climate. Name of tropical desert
	Name of tropical desert
	[7]
	[Total: 25 marks]

(a) Study Fig. 6, a map which shows part of a river and its tributaries, along with Photograph (Insert) which shows a waterfall.

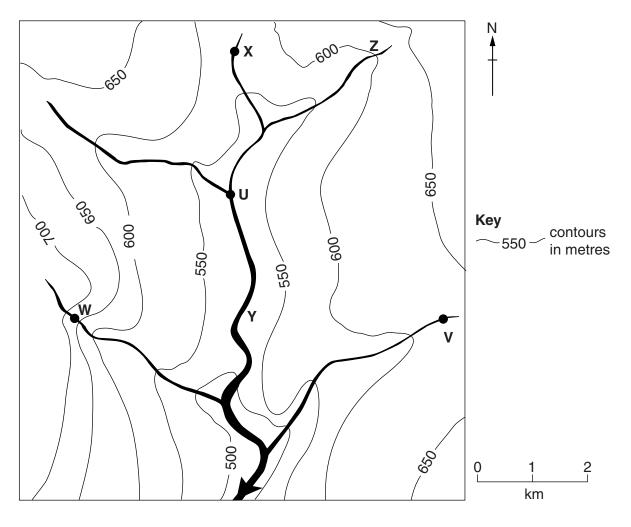


Fig. 6

(i) What feature is labelled **A** on Photograph B? Underline the correct answer from the list below.

hard rock layer	plunge pool	source	
			[1]

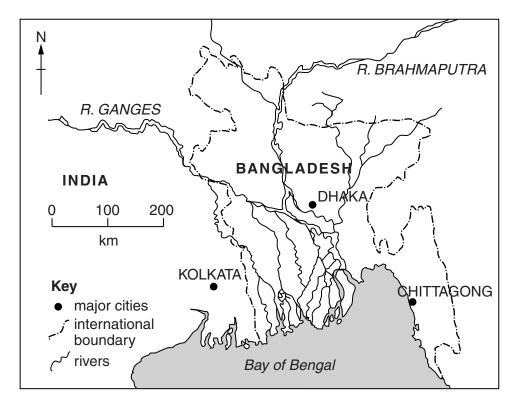
(ii) Which labelled point on Fig. 6, **U**, **V**, **W** or **X**, is the most likely position of the waterfall shown in Photograph B? Give a reason for your answer.

Position of waterfall	
Reason	
	[2]

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(iii)	Briefly explain how waterfalls, such as the one shown in Photograph B, are	
	Briefly explain how waterfalls, such as the one shown in Photograph B, are	Tidge C
		OH
		1
	[3]	
(iv)	State four likely differences between the river and its valley at Y and at Z on Fig. 6.	
	2	
	3	

(b) Study Fig. 7, which shows the delta of the River Ganges.



Fia. 7

(i)	Using information from Fig. 7 only, describe three features of the Ganges
	1
	2
	3
	[3]
(ii)	Explain how a delta is formed.

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The state of the s	
18 A. Tar	
Describe the benefits and difficulties for people of living on a delta. You should refer to a named delta. Name of delta	8.
Name of delta	Tage
	COM
[7]	
[Total: 25 marks]	

END OF QUESTION 4

(c)

(a) Study Fig. 8, which shows information about changes in employment in selecte industries in an MEDC in Europe between 1980 and 2010.

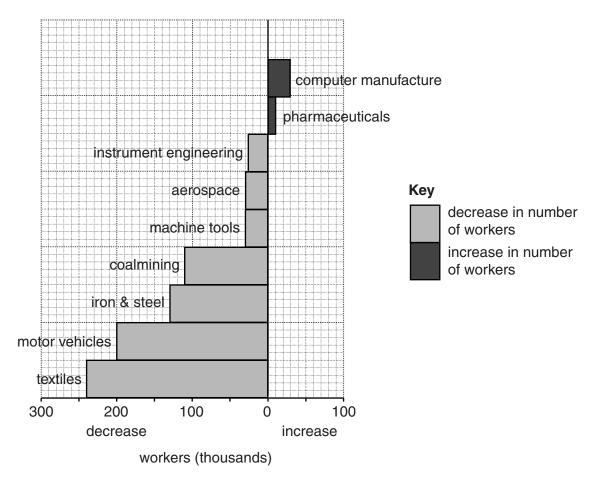


Fig. 8

(i)	Identify one industry shown on Fig. 8 which is in the primary sector.
	[1]
(ii)	Compare the changes in employment in computer manufacture and the motor vehicle industry between 1980 and 2010. Refer to figures in your answer.
	[2]

i)	Suggest three reasons for the decrease in employment in many manufa industries between 1980 and 2010. 1
	1
	2
	3
	[3]
(iv)	Suggest the likely impacts of the changes in employment shown by Fig. 8 on the people and economy of the country.
	[4]
Stu	dy Fig. 9, a simple flow diagram of industrial production.
	INPUTS → PROCESSES → OUTPUTS
	Fig. 9
(i)	Define the terms inputs, processes and outputs of a factory.
	Inputs
	Processes
	Outputs

www.PapaCambridge.com (ii) Name a type of manufacturing (or processing) industry which you have (You must NOT choose a high technology industry). To what extent did the raw materials used influence the location of the industry which you have named? Explain your answer. Type of manufacturing (or processing) industry

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2,1	
22	
For a named example of an area where high technology industry has been levelain the factors which have attracted this type of industry. Name of area	
Name of area	E.
	CON
[7]	
[7] [Total: 25 marks]	

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		23 dy Photographs C, D and E (Insert), which show different types of farming. Which one of the photographs, C, D or E, shows pastoral farming? Photograph	
STI	ON 6	A Page	S. Co.
(a)	Stu	dy Photographs C, D and E (Insert), which show different types of farming.	3
	(i)	Which one of the photographs, C, D or E, shows pastoral farming?	1
		Photograph[1	1]
	(ii)	All three farms shown in Photographs C, D and E are commercial farms. Explain why many farmers are commercial farmers.	
	(iii)	Describe the activities which are taking place on the farm shown in Photograph C	-
			••
			 3]
	(iv)	Suggest how the farming system shown in Photograph D may be influenced b physical factors.	у
		[2	+]

[Turn over

(b) Study Fig. 10, which shows information about changes in an agricultural area in B between 1950 and 2000.



Fig. 10

[Turn over

	the state of the s	
	26	
(c)	For a named area or country you have studied which suffers from food shortage, why there is a shortage of food. Name of area or country	
	Name of area or country	Tidde
		OW
		1
		•
	[7]	
	[Total: 25 marks]	

Additional Page

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Question 2 Figs 3A & 3B © N Graves et al; People & Environment: A World Perspective; Heinemann Educational; 1987.

Question 2 Figs 4A, 4B & 4C © J Baumber et al; Questioning Geography; Collins Educational; 1984.

Question 3 Photograph A

Question 4 Photograph B

Question 6 Photographs C, D & E

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