

CANDIDATE

Cambridge International Examinations Cambridge Ordinary Level

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2217/12

May/June 2015
1 hour 45 minutes

NAIVIE		
 CENTRE NUMBER		CANDIDATE NUMBER
GEOGRAPHY		
Paper 1		
Candidates answe	on the Question Paper.	
Additional Materia	s: 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 an HB pencil for any diagrams or graphs.

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

DO NOT WRITE IN 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, one from each section.

The Insert contains Figs 2A and 2B for Question 1 and Photographs A, B and C 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.

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

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





www.PapaCambridge.com 1 (a) Study Fig. 1, which shows information about the population of Lithuania (an MEDC).

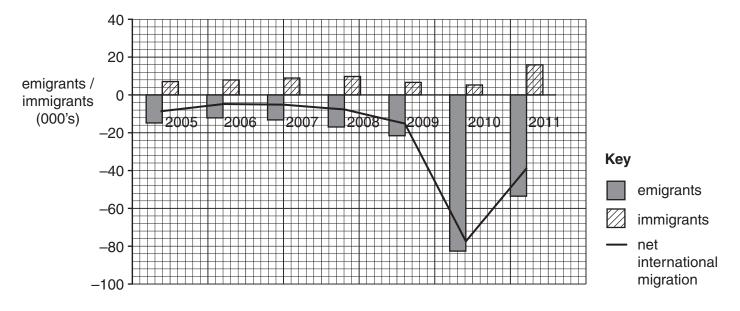


Fig. 1

(i)	What is meant by death rate = 11.5 per 1000?
	[1]

(ii) Calculate the natural population growth rate of Lithuania in 2013. You should show your calculations in the box below.

nou 1000
Der 1000
per 1000

[2]

(iii)	Describe the changes to Lithuania's net international migration between 20. You should refer to data from Fig. 1 in your answer.	
		1
	[3]	J
(iv)	Suggest the possible impacts on Lithuania of a large amount of emigration.	
		•

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(b) Study Figs 2A and 2B (Insert), which show satellite images of Las Vegas in 19

WW. D.

Las	Vegas is a city in the USA (an MEDC). Describe the changes in the shape and size of Las Vegas between 1973 and 2000.
(i)	Describe the changes in the shape and size of Las Vegas between 1973 and 2000.
	[3]
(ii)	Describe the types of land use which occur at the edges of cities.
	[5]
	ולו

Name a country you have studied where internal migration has occurred.
Name a country you have studied where internal migration has occurred. Explain the reasons for this migration. Name of country
Name of country
[7]

[Total: 25 marks]

END OF QUESTION 1

(c)

QUESTION 2

2 (a) Study Fig. 3, a map showing the main land uses and transport routes in Toronto, Cana MEDC).

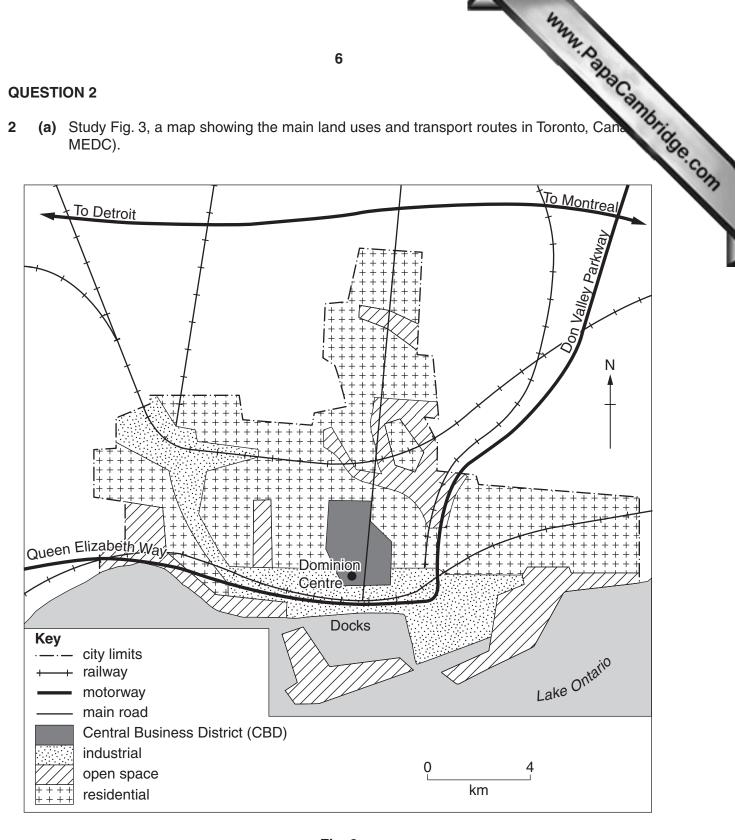


Fig. 3

Estimate the area of the CBD of Toronto. Circle the correct answer below.

> $4 \, \text{km}^2$ $7 \, \text{km}^2$ $14 \, \text{km}^2$ 1 km² [1]

[Turn over © UCLES 2015

(b) Study Fig. 4, which shows information about the percentage of the population use types of transport in cities in Canada and China.

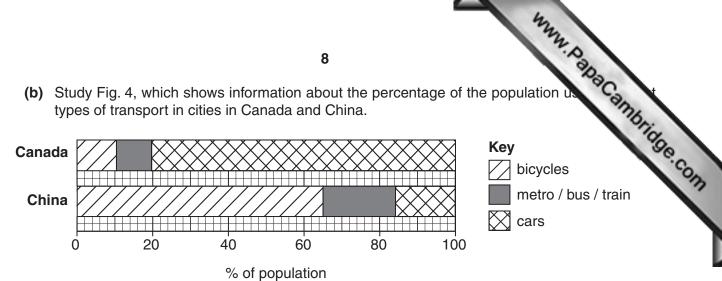


Fig. 4

(i)	Identify three differences between types of transport used in cities in Canada and China.
	1
	2
	3
	[3]
ii)	Describe the problems caused by traffic congestion in urban areas.
	[5]
	[0]

(c)

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For a named urban area, describe and explain the attempts which have been in traffic problems. Name of urban area
Name of urban area
[7]
[Total: 25 marks]

END OF QUESTION 2

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Section B

QUESTION 3

				n. ts of different types of weathering
		11		Page
		Section	n B	Can
		Answer one question	from this section	1.
JESTION	3			
(a) Stu	ıdy Photographs	A, B and C (Insert), which	h show the result	ts of different types of weathering
(i)	What is meant	by weathering?		
				[:
(ii)	Match the three		ed with the Photo	ographs A, B and C by completin
		Type of weathering	Photograph	
		Biological		
		Exfoliation		
		Freeze-thaw		
				[
(iv)	Explain how from	eeze-thaw weathering oc	curs.	
				[2

(b) Study Fig. 5, which shows information about weathering.

Study Fig. 5, which shows		weathering. ATES OF WEATHE	ERING fast
	slow	Weathering rate	e fast
	ROCK	TYPE	
Rate of solution	Slow	Moderate	High
Rock structure	No lines of weakness	Some lines of weakness	Many lines of weakness
	SC	OIL	
Thickness of soil layer	None (bare rock)	Thin to moderate	Thick
	CLIN	MATE	
Rainfall	Low	Moderate	High
Temperature	Cold	Temperate	Hot

Fig. 5

(i)	Using Fig. 5 only , describe how rock type and soil cover influence the rate of weathering.
	[3]

	(ii)	Describe and explain how climate influences the rate of weathering.
		[E]
(0)	Doo	eribe and explain the distribution of fold mountains.
(6)	You	cribe and explain the distribution of fold mountains. should refer to named examples.
		[7]

[Total: 25 marks]

END OF QUESTION 3

(a) Study Fig. 6, which shows tropical rainforest vegetation.

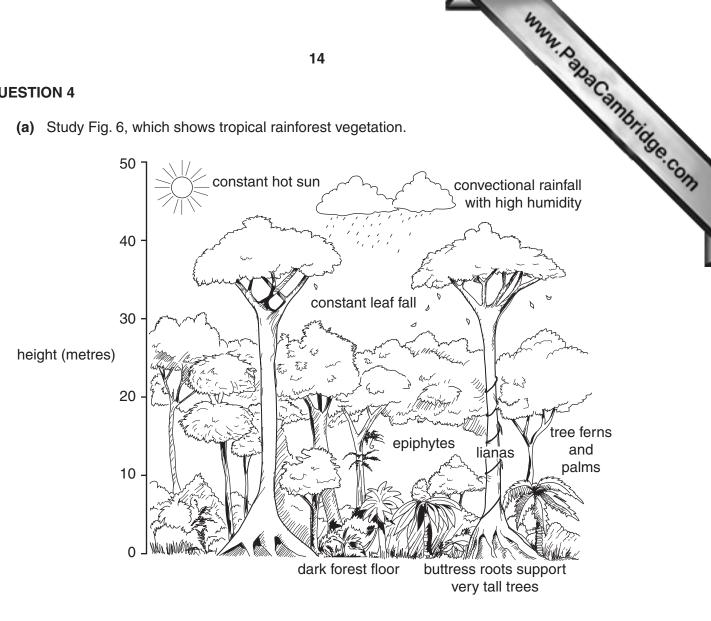


Fig. 6

The tropical rainforest has a hot, wet climate.

Tick the correct pair of figures in the table below to show the annual average temperature and rainfall.

average annual temperature	annual average rainfall	√
15°C	250 mm	
30°C	2500 mm	
60°C	750 mm	

[1]

- (ii) On Fig. 6, label the following layers:
 - canopy;
 - [2] emergents.

(iii)	Describe the processes which lead to a high annual rainfall in the tropical rainfall
	Describe the processes which lead to a high annual rainfall in the tropical ra
	[3]
(iv)	Explain why the tropical rainforest has a wide variety of plants, insects and animals.
	INI

(b) Study Fig. 7, a map of a small area of rainforest in Brazil.

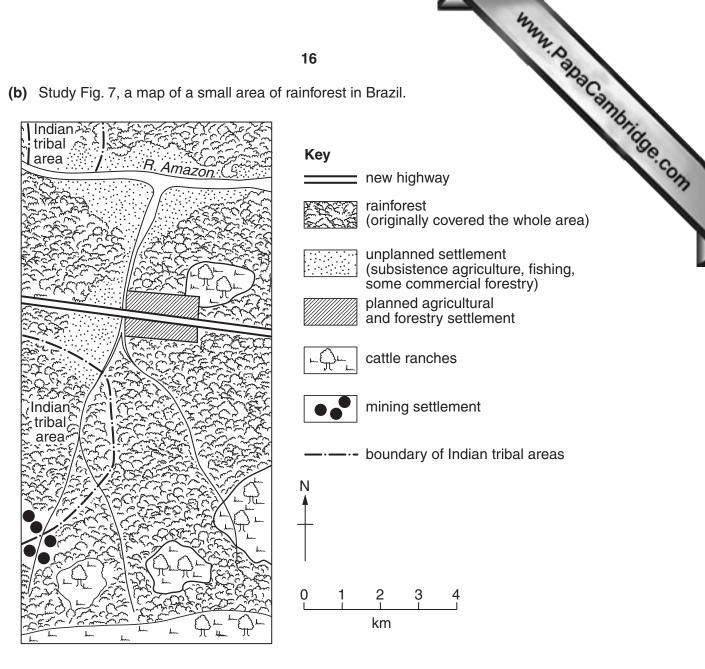


Fig. 7

(1)	wealth for Brazil and employment for its people.
	1
	2
	3

	(ii)	Explain why the tropical rainforest is important globally.
		To the state of th
		[5]
(c)	For loca	a named tropical rainforest you have studied, describe the impact of deforestation on the natural environment.
	Nan	ne of tropical rainforest
		[7]

[Total: 25 marks]

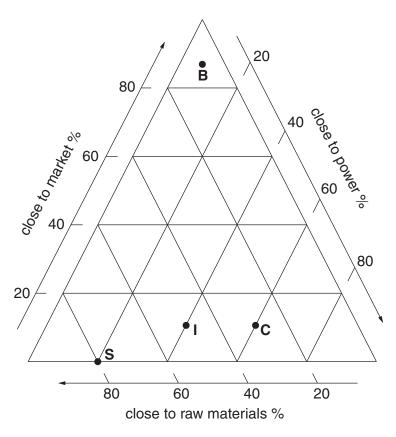
END OF QUESTION 4

Section C

Answer one question from this section.

QUESTION 5

www.PapaCambridge.com 5 (a) Study Fig. 8, which shows information about the location of selected factories.



Key

- **B** bakeries
- S sawmills
- I iron and steel works
- C chemical factories

Fig. 8

(i) Plot, using an X on Fig. 8, information about the location of cotton textile factories. Use the data in the table below.

Percent	age of cotton textile t	actories
Close to market	Close to power	Close to raw materials
30	50	20

[1]

(ii)	What is meant by the raw materials and the market of a factory?
	What is meant by the <i>raw materials</i> and the <i>market</i> of a factory? Raw materials
	Market
/:::\	Light information from Fig. 9 and a company the importance of the factors influencing the
(iii)	Using information from Fig. 8 only , compare the importance of the factors influencing the locations of iron and steel works and bakeries.
	[3]
(iv)	Explain how the cost of transport influences the location of different types of industry.
	IA

(b) Study Fig. 9, which shows information about high technology exports from Israel

11 9 9 8 7 6 5 4 3 2 1 value of 876543210 high technology exports (US\$ millions) 0 2000 02 04 1995 96 97 98 99 01 03 year

Fig. 9

(i)	Using Fig. 9 only , describe the changing amount of high technology exports from Israel between 1995 and 2004. You should use statistics to support your answer.
	[3]
(ii)	Suggest how the growth of high technology industry may have benefitted the people and economy of Israel.
	[5]

(c)	Explain why high technology industry is located in a named area you have studie
	Explain why high technology industry is located in a named area you have studie Name of area
	[7]
	[Total: 25 marks]

END OF QUESTION 5

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6 (a) Study Figs 10A, 10B and 10C, which show information about Sri Lanka (an LEDC).

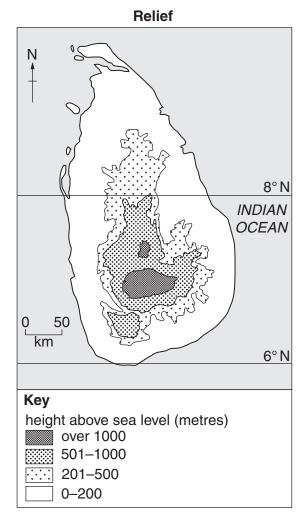


Fig. 10A

www.PapaCambridge.com Average annual rainfall (mm) Ν 1000 1500 8°N **INDIAN** 1000 1500 **OCEAN** 2000 1500 2500 1000 50 km 6°N

Fig. 10B

2000 1500

Large scale water transfers

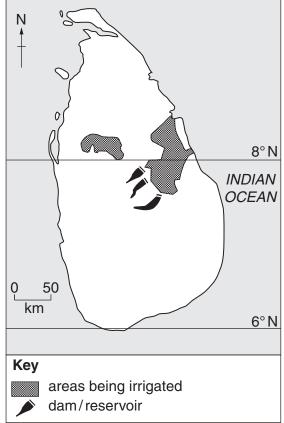


Fig. 10C

(i)	On Fig. 10B, shade the area of over 2500 mm annual rainfall.	1
(ii)	On Fig. 10B, shade the area of over 2500 mm annual rainfall. Give two reasons for the location of the reservoirs shown on Fig. 10C.	Bric
	1	
	2	
		[2]
(iii)	Describe the location of the areas which are irrigated on Fig. 10C.	
		[3]

(b) Study Fig. 11, which shows information about hydro-electric power.

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Fig. 11

(i)	Explain how hydro-electric power is generated.
	[3]

(ii)	What are the benefits of generating electricity using hydro-electric power st than by using fossil fuels?
	······································
(iii)	Explain the factors which influence the location of hydro-electric power stations.
` ,	
	[5]

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(c)	For a named country or area where large amounts of fuel wood are used for energiate problems this causes for local people. Name of area or country
	Name of area or country
	[7]
	[Total: 25 marks]

END OF QUESTION 6

Additional Page

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	27 A. D.
	Additional Page
	If you use the following lined page to complete the answer(s) to any question(s), the question numbers must be clearly shown.
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