

Cambridge International Examinations

Cambridge Ordinary Level

GEOGRAPHY			221	7/13
CENTRE NUMBER		CANDIDATE NUMBER		
CANDIDATE NAME				

Paper 1 May/June 2016

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Calculator

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 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 pages at the end of this booklet. The question number(s) must be clearly shown.

Answer three questions, one from each section.

The Insert contains Photographs A and B for Question 2 and Photographs C and D 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.

Definitions

MEDCs – More Economically Developed Countries

LEDCs - Less Economically Developed Countries



Section A

Answer one question from this section.

QUESTION 1

(i)

1 (a) Study Fig. 1, which shows information about migration.

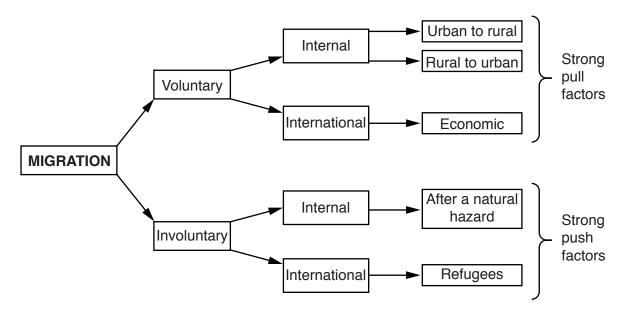


Fig. 1

What is meant by	migration?		
		 	[1

(ii) Complete the following definitions of types of migration by using arrows to match the correct terms and definitions. The first one has been done for you.

Voluntary <	People are forced to migrate
Involuntary	Migration within a country
International	→ People choose to migrate
Internal	Migration from one country to another

[2]

(iii)	Describe the impacts of rural to urban migration on the rural area.	
		[3]
(iv)	Explain how economic factors can cause international migration.	
		[4]

(b) Study Fig. 2, which shows information about international migration for Indonesia and Singapore in 2010. Indonesia and Singapore are countries in South East Asia.

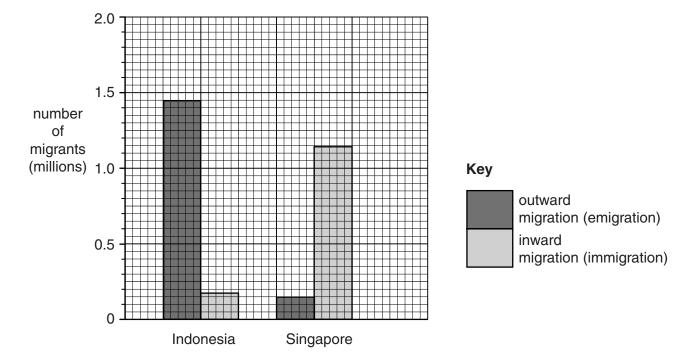


Fig. 2

(i)	Using Fig. statistics in		Indonesia's	net mi	gration	with	that of	Singapore.	Include

(ii)	Describe the positive impacts of international migration on destination countries.
	[E]

(c)	For a named urban area you have studied, describe the problems faced by migrants living in squatter settlements.								
	Name of urban area								
	[7]								

QUESTION 2

2 (a) Study Fig. 3, which shows information about land use in Bergen, an urban area in Norway (an MEDC in Europe).

0	10	20	30	40	50	60	70	80	90	100
			per	centa	ge of	total a	rea			

Key	

land	and uses				
	residential				
	industry and commerce				
	roads				
	other built-up areas				
	open space				

Fig. 3

(1)	What percentage of Bergen's area is used for industry and commerce?	
	%	[1]
(ii)	Compare the percentages of land used in Bergen for residential and open space.	
		. [2]
(iii)	Suggest three likely uses of open space in Bergen.	
	1	
	2	
	3	. [3]

(b)		dy Photographs A and B (Insert), which show parts of Stavanger, another urban are way.	a in
	(i)	Use evidence from Photographs A and B to identify three different land uses in Stavar	nger
		1	
		2	
		3	
	(ii)	Use evidence from Photographs A and B, and your own knowledge, to explain why se settlements develop as ports.	ome
			[4]

(iii)	One type of urban zone is the Central Business District (CBD). Describe the typical characteristics of the CBD of an urban area.
	រុះ

(c)	For a named urban area you have studied, describe recent changes which have taken place in the Central Business District (CBD).
	Name of area
	[7]

TURN PAGE FOR QUESTION 3

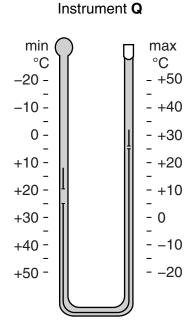
Section B

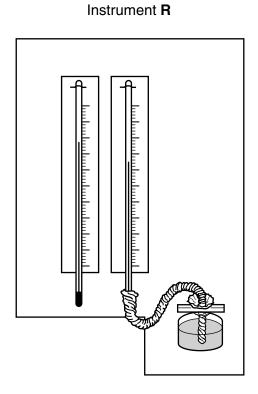
Answer **one** question from this section.

QUESTION 3

3 (a) Study Fig. 4, which shows four instruments used at a school weather station.

Change Change





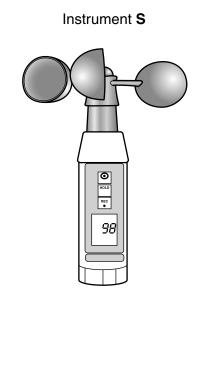


Fig. 4

(i)	Which weather characteristic will the students measure with instrument P ?	
(ii)	Use instrument Q to work out the daily range of temperature. Show your calculations.	
		[2]
(iii)	Identify the weather instruments labelled Q , R and S .	
	Q	
	R	
	S	[3]
(iv)	Explain why:	
	 instruments Q and R are kept in a Stevenson Screen; 	
	 instrument S is sited on the roof of the school. 	
		[4]

(b)	Stu	dy Photographs C and D (Insert), which show different types of clouds.
	(i)	Describe three differences between the clouds shown in Photographs C and D.
		1
		2
		3
		[3
	(ii)	Describe the processes which result in large amounts of cloud forming in areas of Equatorial climate.
		[5

(c)	For a named area of tropical rainforest you have studied, explain how its characteristics are influenced by the Equatorial climate.			
	Name of area			
	[7]			

QUESTION 4

4 (a) Study Fig. 5, which shows information about the flows which take place in a drainage basin.

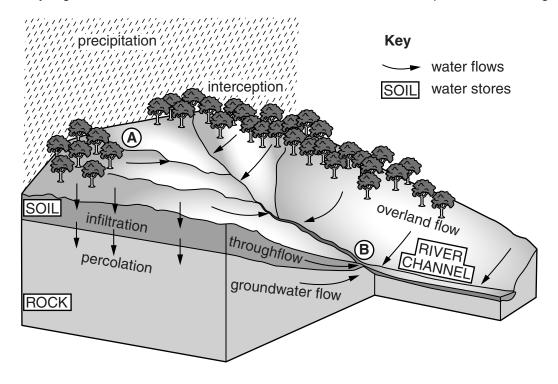


Fig. 5

(i)	Wh	at is meant by <i>di</i>	rainage basin?	
(ii)	lde	ntify from Fig. 5 a	a flow which takes place:	[]
	_	in the soil;		
	_	in the rock.		[2]

(iii)	Explain why the amount of interception may vary within the drainage basin shown in Fig. 5.
	[3]
(iv)	Describe how the characteristics of the river are likely to change between points ${\bf A}$ and ${\bf B}$ on Fig. 5.
	[4]

(b) Study Fig. 6, which shows a map of the delta of the River Nile.

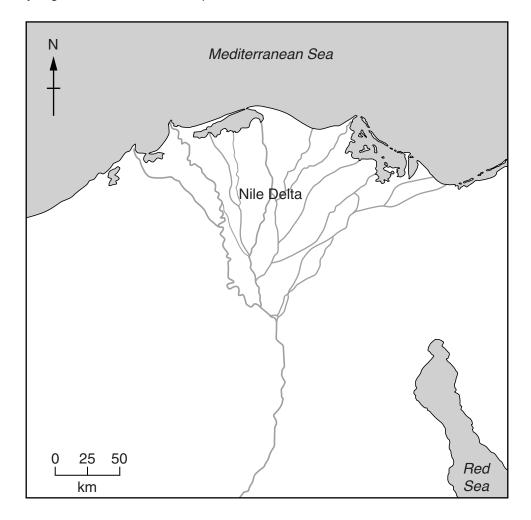


Fig. 6

1		
2	2	
J	,	[3]

(ii)	Explain how a delta is formed.				

(c)	For a named river you have studied, explain the causes of flooding.				
	Name of river				
	[7]				

Section C

Answer one question from this section.

QUESTION 5

5 (a) Study Fig. 7, which shows information about world energy production.

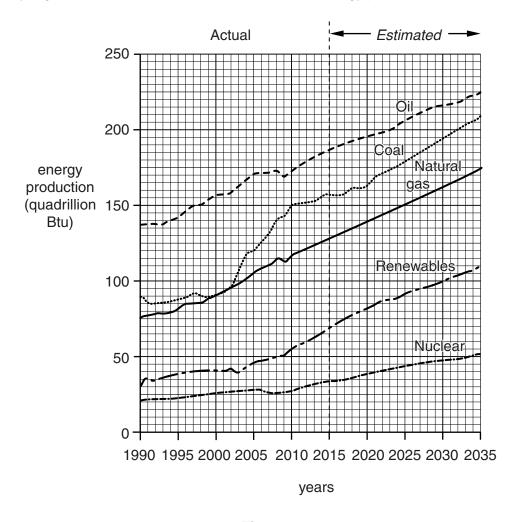


Fig. 7

(i) State the amount of energy produced by nuclear power in 2015.

......quadrillion Btu [1]

- (ii) Which form of energy production:
 - increased most rapidly between 2000 and 2015;
 - is estimated to double between 2010 and 2035?[2]

(iii)	Describe three problems of relying on fossil fuels, such as oil, coal and natural gas, sources of energy.	as
	1	
	2	
	3	
		[3]
(iv)	Describe two benefits and two problems of using nuclear power as a source of energ	y.
	Benefit 1	
	Benefit 2	
	Problem 1	
	Problem 2	
		ן'ין

(b) Study Fig. 8, which shows the location of proposed new offshore wind turbines in part of north east USA.

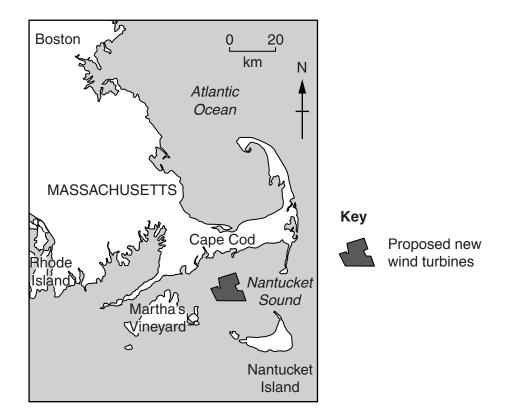


Fig. 8

(i)

Describe the location of the proposed new offshore wind turbines shown in Fig. 8.	

(ii)	Explain why people living in Cape Cod are likely to have contrasting opinions about the proposed offshore wind turbines.				
	٦١				

(c)	For an example you have studied, describe and explain the location of an industry. You should choose an example from manufacturing, processing, assembly or high technology industry.
	Type of industry
	Location
	[7]

END OF QUESTION 5

QUESTION 6

6 (a) Study Fig. 9, which shows information about the use of water in selected countries.

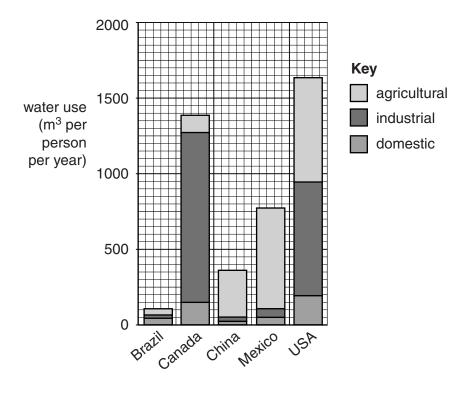


Fig. 9

(i) Put the following countries in rank order according to their total use of water per person per year.

	Bra	zil	China	USA		
	1 st		highest			
	2 nd					
	3 rd		lowest		[1]	
(ii)	Wha	What is meant by the following uses of water?				
	_	domestic				
	_	industrial				
					[0]	

(iii)	Using Fig. 9 only , compare the use of water in Canada (an MEDC) and Mexica LEDC).) (an
(iv)	Suggest reasons for the differences in the use of water in Canada and Mexico.	[S
(10)	Cuggest reasons for the unicrefices in the use of water in Gariaga and Mexico.	
		[4]

(b) Study Fig. 10, which shows information about the water supply of the city of Vienna, in Austria (an MEDC in Europe).

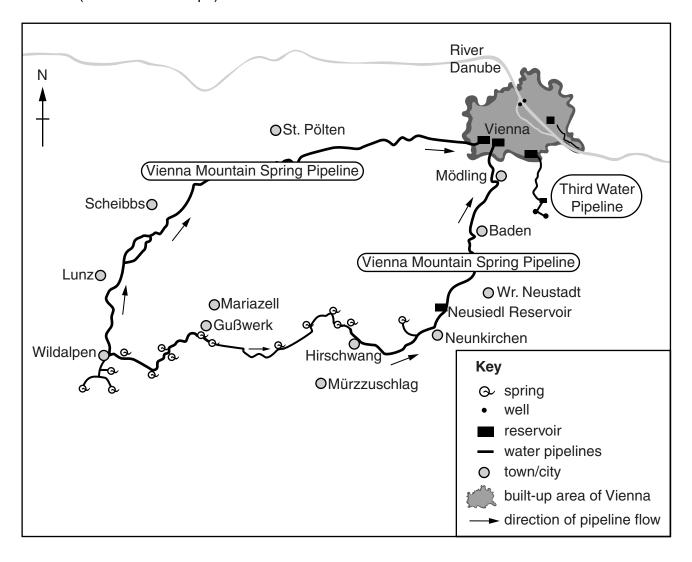


Fig. 10

(i)	Using Fig. 10, identify three different methods which Vienna uses to obtain water.	
	1	
	2	
	3	[3]

(ii)	Explain the importance to the people and economy of a city of having a good wate supply system.
	[F

(c)	For a named country or region you have studied, explain the causes of food shortages.				
	Name of country or region				
	[7]				
	[7]				

Additional Pages

If you use the following number(s) must be clear	complete the	answer(s) to a	any question(s),	the question
	 •••••			
	 •••••			
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