

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Ordinary Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		



GEOGRAPHY 2217/13

Paper 1 October/November 2011

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.

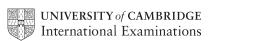
Answer three questions, one from each section.

The Insert contains Fig. 4 for Question 2, Photographs A, B, C and D for Question 3 and Photograph E for Question 6.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The Insert is **not** required by the Examiner.

The number of marks is given in brackets [] at the end of each question or part question.



Section A

Answer one question from this section.

QUESTION 1

(a) Study Fig. 1, which shows information about the population of Denmark (an MEDC) between 1970 and 2006.

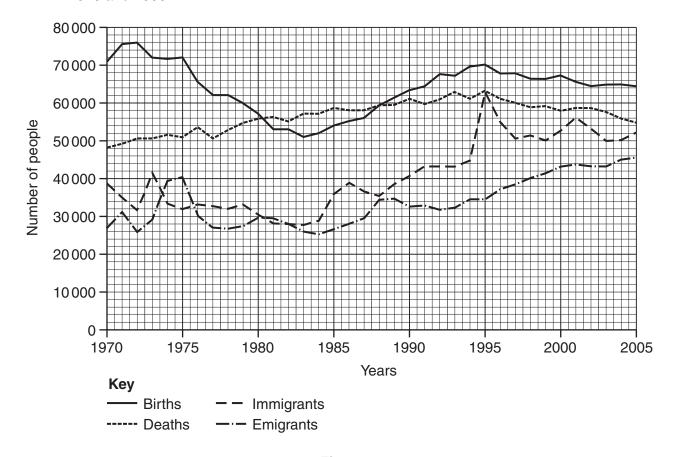


Fig. 1

(i)	What was the number of births in Denmark in 1970?[1]
(ii)	Use evidence from Fig. 1 to identify a year when:	
	A there were more births than deaths,	
	B there were more emigrants than immigrants[2	<u>']</u>
(iii)	Calculate the total population change in Denmark in 2005. Show your calculations.	
		. •
		_

(iv)	Describe the main trends in migration between 1970 and 2005. Use data from Fig. 1 in your answer.

(b) Study Fig. 2, which shows major international migrations since 1970.

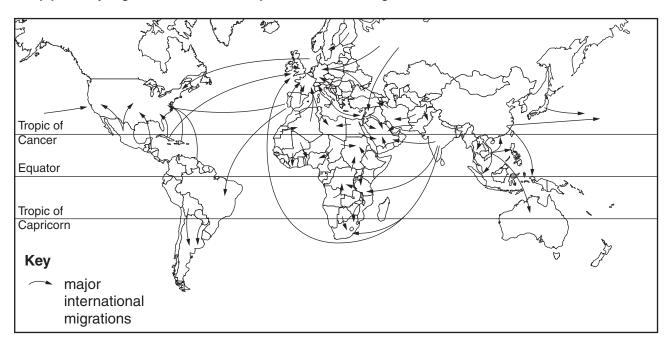


Fig. 2

(i)	Using Fig. 2 only, identify three examples of migration from LEDCs to MEDCs.
	1
	2
	3[3]
(ii)	Explain the pull factors which attract international migrants from LEDCs to MEDCs.
	res

(c)	The size of the population in a country may change as a result of natural growth.
	For a named country which you have studied, explain why the rate of natural population growth is high.
	Name of country
	[7]

END OF QUESTION 1

QUESTION 2

(a) Study Fig. 3, which shows maps of four rural settlements.

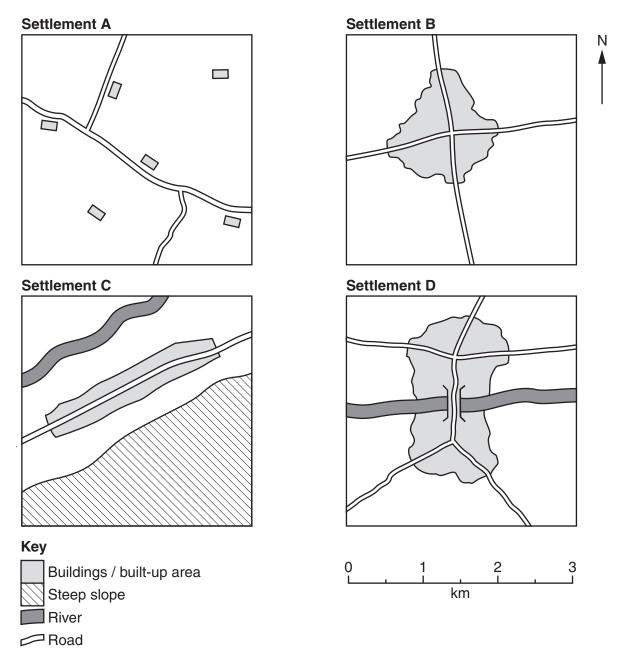


Fig. 3

(i) Settlement A is an area of dispersed rural settlement. What is meant by a dispersed settlement pattern?

(ii)	Describe the shapes of settlements B and C .	
	Settlement B	
	Settlement C	
(iii)	Suggest reasons for the different shapes of settlements B and C .	[2]
(iv)	Suggest reasons why settlement D has developed into a large settlement.	
		144

Stu	dy Fig. 4 (Insert), which shows a rural area in Tanzania (an LEDC).
(i)	Describe three features of the distribution of rural settlement in the area shown by Fig. 4.
	1
	2
	3
	[3]
(ii)	Suggest reasons for the distribution of rural settlement in the area shown by Fig. 4.
	[5]
	(i)

(c)	Name two settlements of different population size which you have studied. Compare the shops and services provided in the two settlements which you have named.
	Settlement 1
	Settlement 2
	[7]

END OF QUESTION 2

Section B

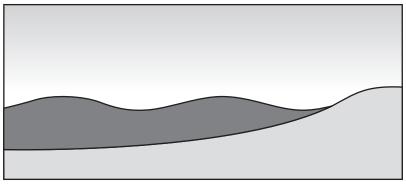
Answer one question from this section.

QUESTION 3

(a)	Stu	dy Photographs A, B, C and D (Insert)	, which show different types of coastal landform.				
	(i)	i) Which photograph is of a coastal landform formed by erosion?					
	(ii)	Match Photographs A, B, C and D to e Table 1 below.	each of the following coastal landforms by completing				
		Tab	le 1				
		Landform	Photograph				
	beac	h					
	head	lland					
	mars	sh					
	sand	dunes	101				
			[2]				
	(iii)	Describe the conditions which are rec	quired for the development of coastal marsh.				
			[3]				
	(iv) Explain the formation of coastal sand dunes.						

(b) Study Fig. 5, showing constructive and destructive waves.

Constructive waves



Destructive waves

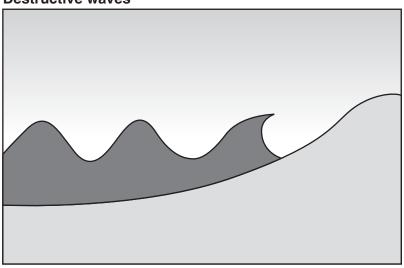


Fig. 5

(i) Describe three differences between constructive and destructive waves.

1		 	 	
2	,			
_				
2	•			
J	,	 	 	
		 	 	[3]

С	Describe the impacts of a natural hazard on a named coastal area which you have studie
H	lazard Named coastal area
-	
•	
-	

QUESTION 4

(a) Study Fig. 6, which shows annual average precipitation in west Africa.

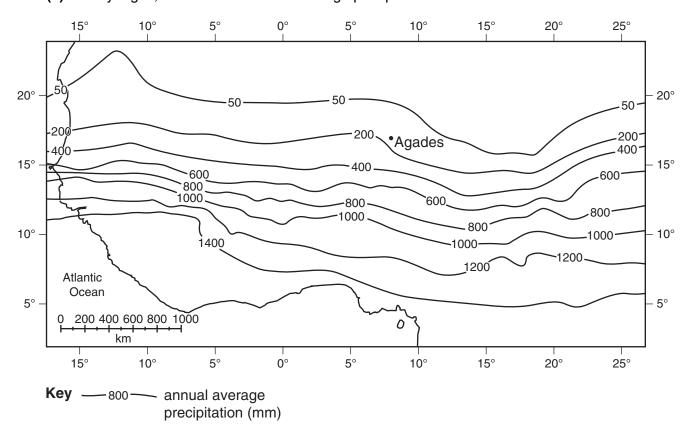


Fig. 6

(i)	Estimate the annual average precipitation at Agades.	
	mm	[1]
(ii)	Suggest why daytime temperatures are high at Agades.	
		.[2]
(iii)	Explain why rainfall is low in areas such as Agades.	
		[3]

(b) Study Fig. 7, which shows information about rainfall in Agades. Agades is in Niger (an LEDC).

	Rainfall (mm)				
Month	Year 1	Year 2	Year 3	Year 4	Year 5
January	_	_	_	_	_
February	_	_	_	_	_
March	_	2	_	_	_
April	_	_	50	_	_
May	22	_	1	18	_
June	7	2	20	1	_
July	11	58	61	9	22
August	36	67	26	51	14
September	21	26	8	3	4
October	_	_	_	_	_
November	_	_	_	_	_
December	_	_	_	_	_
Total	97	155	166	82	40

Fig. 7

(i)	Describe three features of the rainfall distribution over the five years shown by Fig. 7.
	1
	2
	3
	[3]
(ii)	Suggest how the rainfall distribution shown in Fig. 7 may affect the lives of people living in and around Agades.
	[4]

	(iii)	The area around Agades is at risk from desertification. This can be defined as 'the spread of desert-like conditions into nearby regions'. Explain why desertification occurs.	
		[5]
(c)	For natu	a named area of tropical desert which you have studied, describe the features of the iral vegetation and explain how it can survive in the desert climate.	ie
	Trop	pical Desert studied	
	Trop	pical Desert studied	
	Trop		

Section C

Answer one question from this section.

QUESTION 5

(a) Study Fig. 8, which shows information about food production in selected countries.

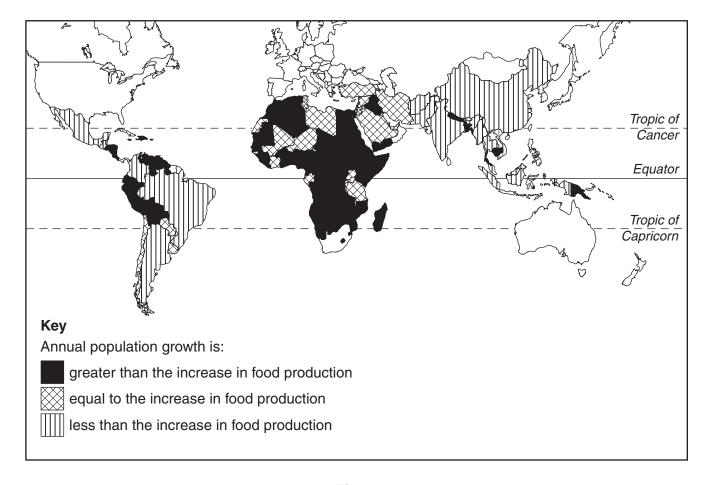


Fig. 8

(i)	Name one country where population growth is greater than the increase in production.	food
		[1]
(ii)	Give two natural factors which cause food shortages.	
	1	
	2	[2]

(iii)	How can economic and political factors cause food shortages?
	[3]
(iv)	Describe the effects of food shortages in LEDCs.
	[4]

(b) Study Fig. 9, which shows information about changes in agriculture in Malaysia (an LEDC) between 1985 and 2010.

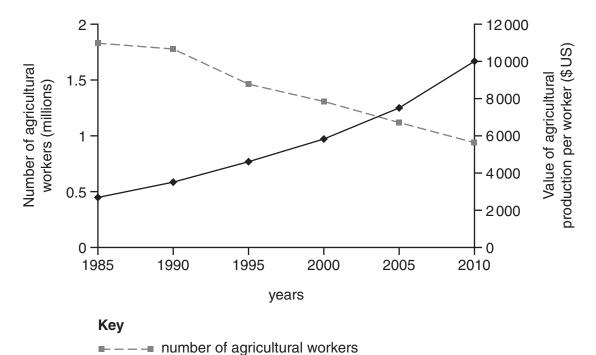


Fig. 9

value of agricultural production per worker

Describe the changes in employment in agriculture in Malaysia between 1985 and 2010 You should refer to data from Fig. 9.
[3

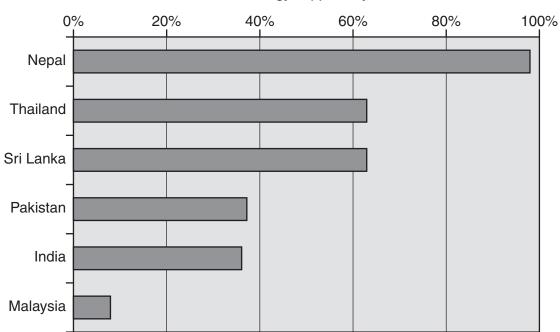
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(i)

	(11)	2010. Suggest reasons for this increase.
		[[2]
(c)	Cho	oose an example which you have studied of large-scale commercial farming.
(0)		ne an area where your chosen farming type takes place. Describe the inputs, processes
		outputs of this farming system.
	Exa	mple Area
		[7]

QUESTION 6

(a) Study Fig. 10 which shows information about the use of fuelwood in six countries in Asia. Photograph E (Insert) shows fuelwood being collected.



% of total energy supplied by fuelwood

Fig. 10

(i)	Which country shown on Fig. 10 uses the largest percentage of fuelwood to supply energy?
	[1
(ii)	Give two different uses of fuelwood in LEDCs.
	1
	2[2

(iii)	Des	scribe the problems of using large amounts of fuelwood for:
	A	people who live in LEDCs,
		[3
	В	the local natural environment.
		[/

(b) Study Fig. 11, which shows information about global warming.

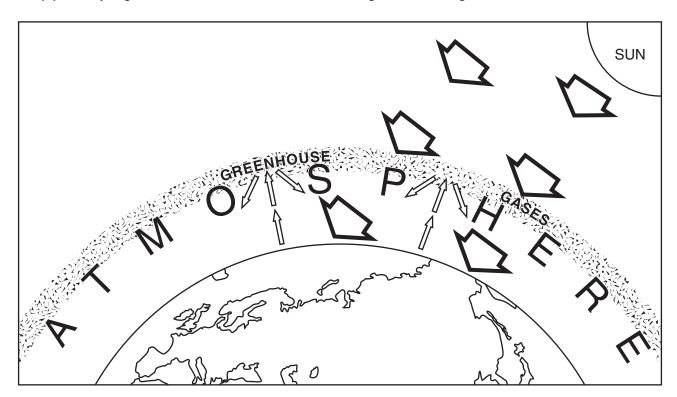


Fig. 11

Using only information from Fig. 11, explain how the build up of greenhouse gases in the atmosphere is increasing global warming.
[3]

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(i)

	(ii)	Explain why people are concerned about the impacts of increased global warming.
		[5]
(c)		a named country or area which you have studied, describe the ways in which water plies are being developed.
	Nan	ne of country or area
		[7]
		· · · · · · · · · · · · · · · · · · ·

Additional Page

If you use the following lined page to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

Copyright Acknowledgements:

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Question 6 Fig. 10 © http://solarcooking.wikia.com/wiki/Fuelwood; 3 August 2010.

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