

### **Cambridge International Examinations**

Cambridge International General Certificate of Secondary Education

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CANDIDATE NAME			
CENTRE NUMBER		CANDIDATE NUMBER	
GEOGRAPHY			0460/12
Paper 1		Octobe	er/November 2015
Paper 1			er/November 2015 I hour 45 minutes
·	er on the Question Paper.		

#### **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.

The Insert contains Photograph A for Question 2, Photograph B for Question 4, Photographs C, D and E for Question 5 and Figs 8A and 8B for Question 5, and Fig. 10 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.

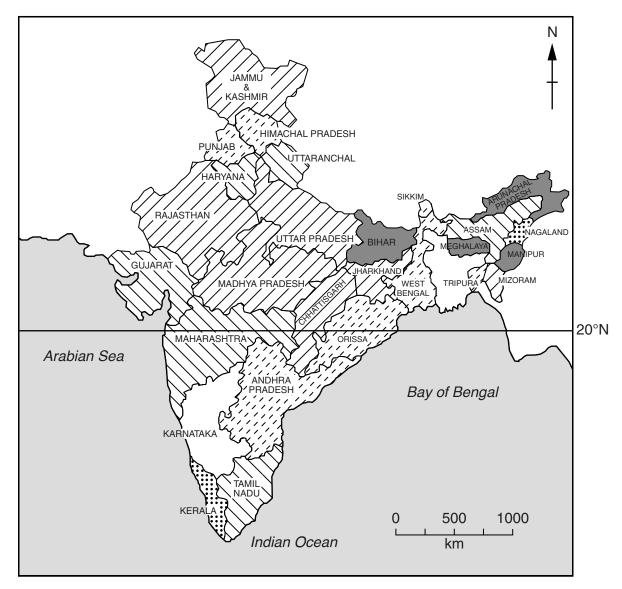
The number of marks is given in brackets [ ] at the end of each question or part question.

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





1 (a) Study Fig. 1, which shows information about population growth in India.



Key

population growth rate (per 1000)

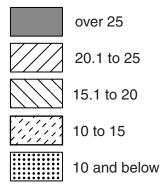


Fig. 1

(i) Complete Fig. 1 by shading Karnataka using the key provided. Karnataka has a population growth rate of 15.6 per 1000.

[1]

(ii) The following data is for Orissa:

Birth rate	21 per 1000
Death rate	8.8 per 1000
Net migration	2 per 1000
Population growth rate	14.2 per 1000

	Explain now the population growth rate of 14.2 per 1000 for Orissa has been calculated.
	[2]
(iii)	Using information from Fig. 1, describe the differences in population growth rates in India to the north and south of the 20°N line of latitude.
	[3]
(iv)	Suggest reasons why some parts of India have positive net migration but others have negative net migration.
	[4]

(b) Study Fig. 2, which shows birth and death rates in India between 1951 and 2011.

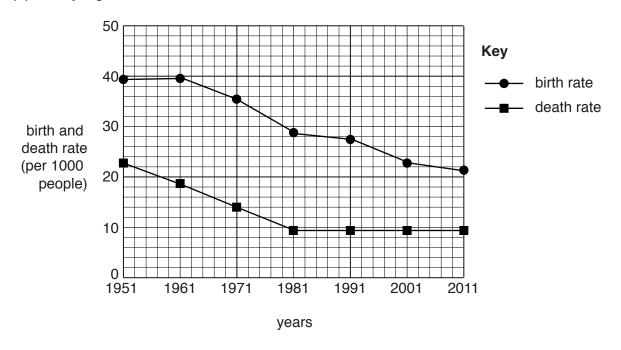


Fig. 2

(i)	Using the information in Fig. 2 <b>only</b> , compare the natural population growth of India between the periods 1951–61 and 2001–11.
	[3]

	(ii)	Suggest reasons for the reduction in the death rate between 1951 and 2011.
		[5]
(c)		a named country you have studied, describe how the government has attempted to ence population growth.
	Nam	ne of country
	•••••	
	•••••	
		[7]

[Total: 25 marks]

2 (a) Study Fig. 3, which shows a sector of an urban area in an MEDC.

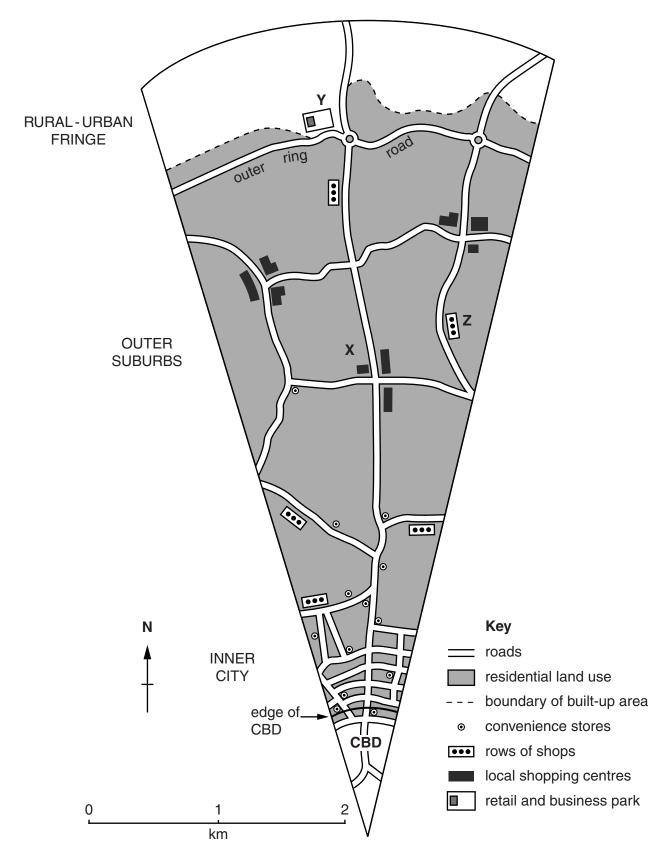


Fig. 3

(i)	What is meant by urban area?
(ii)	Using Fig. 3 <b>only</b> , compare the service provision in the inner city and outer suburbs.
` ,	
	[2]
(iii)	Suggest reasons why a local shopping centre developed at <b>X</b> .
(iv)	Describe the characteristics of retail and business parks such as the one at <b>Y</b> .
	[4]

(b) Study Fig. 4, which shows the row of shops labelled  ${\bf Z}$  on Fig. 3.

	LI	VING	  SPAC 	E	
BUTCHER	GENERAL STORE	CHEMIST	EMPT	Y SHOP	HAIR DRESSER

Fig. 4

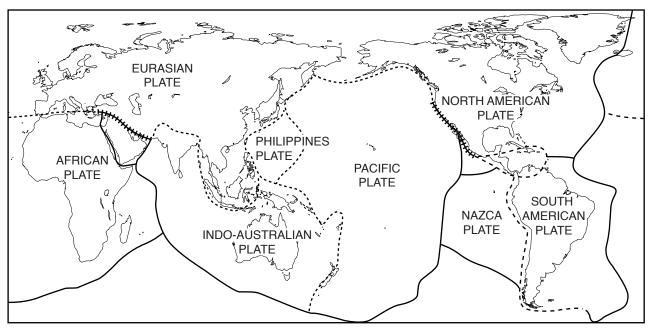
(i)	Describe the characteristics of the row of shops and services shown in Fig. 4 using the following headings:
	order
	sphere of influence
	frequency of use[3
(ii)	Study Photograph A (Insert), which shows the empty shop in Fig. 4. The empty shop is for sale. Choose a likely use for it and explain your choice.
	[5

why these problems occur.
Name of urban area
[7]

[Total: 25 marks]

# **END OF QUESTION 2**

3 (a) Study Fig. 5, which shows the Earth's tectonic plates.



## **KEY**

---- constructive plate boundary

----- destructive plate boundary

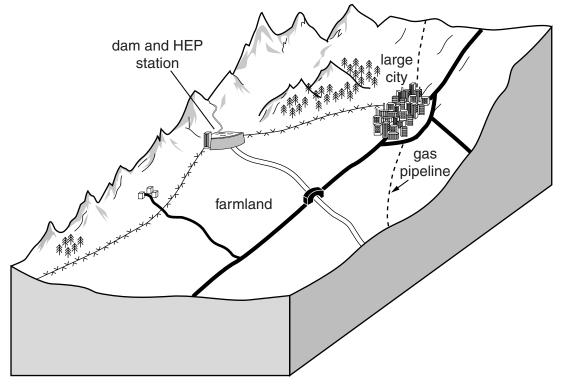
\*\*\*\*\*\*\* conservative plate boundary

Fig. 5

(i)	What is meant by <i>plate boundary</i> ?
	[1]
(ii)	Draw two arrows on Fig. 5 to show the direction of movement of any <b>two</b> plates at each side of a plate boundary. [2]
(iii)	Explain why volcanoes erupt at constructive plate boundaries.
	[3]

(iv)	Explain why volcanoes erupt at destructive plate boundaries.
	[4]

(b) Study Fig. 6, which shows an area just before it experienced a large earthquake.



# 

Fig. 6

(i)	Describe <b>three</b> likely effects of an earthquake on the area shown in Fig. 6.	
	1	
	2	
	3	
(ii)	Explain why the number of deaths and injuries caused by earthquakes is greater LEDCs than MEDCs.	r in
		[5]

(c)

Explain the causes of an earthquake in a named area you have studied.
Name of area
[7]

[Total: 25 marks]

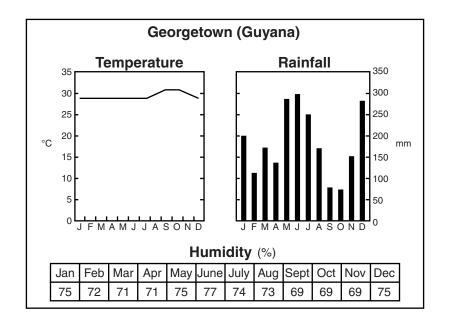
# **END OF QUESTION 3**

4 (a) Study Figs 7A and 7B.

Fig. 7A shows the distribution of tropical rainforests in South America. Fig. 7B shows information about the climate of Georgetown (Guyana).



Fig. 7A



**Fig. 7B** 0460/12/O/N/15

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(i)	Using Fig. 7A, identify the country in South America which has no tropical rainforest in the list below.									
	Circle your a	nswer.								
	Brazil	Colombia	Ecuador	Paraguay	Suriname	[1]				
(ii)					referring to lines of latit					
(iii)		3 <b>only</b> , describe				[∠]				

	(iv)	Give reasons for the tropical rainforest climate at Georgetown.
		[4]
(b)	Stu	dy Photograph B (Insert), which shows an area of forest in Cameroon in West Africa.
	(i)	Describe <b>three</b> features of the forest shown in Photograph B.
		1
		2
		3
		[3]
	(ii)	Explain the relationship between the climate and the natural vegetation in a tropical rainforest.

(c)

Name an area of tropical rainforest you have studied and explain why deforestation is taking place there.
Name of area
[7]

[Total: 25 marks]

# **END OF QUESTION 4**

(a) Study Photographs C, D and E (Insert), which show three different types of farming.

# **QUESTION 5**

5

(i)	Which <b>two</b> of the following words could be used to describe the type of farming shown in Photograph C? Circle your two choices in the list below.												
	Pastoral	Subsis	stence	Arable	e C	Commercia	ıl		[1]				
ii)			ll show i	ntensive	farming.	Describe	two (	characte	ristics of				
	1												
	2		•••••										
									[2]				
ii)				E. Sugges	t <b>three</b> p	rocesses v	vhich	will be ir	nportant				
	Photograph chos	sen											
	1												
	2												
	ly Figs 8A and 8E												
(i)	•	lescribe the	locations	s of mixed	d farming	g, pasture	and (	crops in	Bosnia-				
	mixed farming												
	pasture												
	crops						•••••						
	ii) Stuc	Photograph C? ( Pastoral  ii) Photographs C, intensive farming  1	Photograph C? Circle your to Pastoral Subsisii) Photographs C, D and E a intensive farming.  1	Photograph C? Circle your two choice  Pastoral Subsistence  ii) Photographs C, D and E all show i intensive farming.  1	Photograph C? Circle your two choices in the li  Pastoral Subsistence Arable  ii) Photographs C, D and E all show intensive intensive farming.  1	Photograph C? Circle your two choices in the list below.  Pastoral Subsistence Arable C  ii) Photographs C, D and E all show intensive farming intensive farming.  1	Photograph C? Circle your two choices in the list below.  Pastoral Subsistence Arable Commercial iii) Photographs C, D and E all show intensive farming. Describe intensive farming.  1	Photograph C? Circle you'r two choices in the list below.  Pastoral Subsistence Arable Commercial  Photographs C, D and E all show intensive farming. Describe two cintensive farming.  1	Photograph C? Circle your two choices in the list below.  Pastoral Subsistence Arable Commercial  ii) Photographs C, D and E all show intensive farming. Describe two character intensive farming.  1				

(ii)	Using information in Figs 8A and 8B <b>only</b> , suggest reasons for the variation in land use in Bosnia–Herzegovina.
	[4]
(iii)	Explain how political factors may influence agricultural land use.
	[5]

(c)	For a named area you have studied, explain why natural factors cause food shortages.
	Name of area
	[7]

[Total: 25 marks]

# **END OF QUESTION 5**

6 (a) Study Fig. 9, which shows information about the causes of atmospheric pollution.

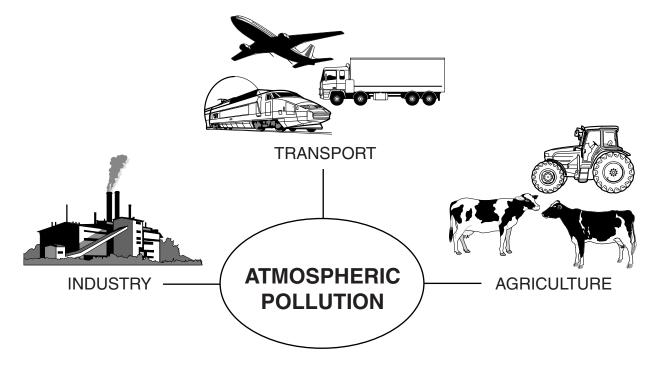


Fig. 9

(i)	What is meant by atmospheric pollution?	
		[1]
(ii)	Describe <b>two</b> ways in which agriculture can cause atmospheric pollution.	
	1	
	2	
		[2]
(iii)	Explain how atmospheric pollution can cause an increase in global temperatures.	
		[3]

	(iv)	Explain why many people are concerned about increases in global temperatures.
		[4]
(b)		dy Fig. 10 (Insert), which shows information about the Cheleken peninsula in Turkmenistan, buntry in Asia.
	(i)	Using Fig. 10, identify three different sources of water pollution.
		1
		2
		3[3]
	(ii)	Suggest reasons why it is important to reduce levels of water pollution in the area shown in Fig. 10.
		[5]

(c)	For a named area you have studied, describe attempts to maintain, conserve or improve the natural environment.
	Name of area
	[7]

[Total: 25 marks]

**END OF QUESTION 6** 

# **Additional Pages**

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