



**GCSE  
GEOGRAPHY A  
COMPONENT 2  
ENVIRONMENTAL AND DEVELOPMENT  
ISSUES  
SAMPLE ASSESSMENT MATERIALS**



**1 hour 30 minutes**

Section	Question	Mark	SPaG
<b>A</b>	1	34	
	2	34	4
<b>B</b>	Either 3	16	
	Or 4	16	
<b>Total</b>		<b>84</b>	<b>4</b>

**ADDITIONAL MATERIALS**

In addition to this paper you will require a calculator and a ruler.

**INSTRUCTIONS TO CANDIDATES**

Answer **both** questions in Section A.

Answer **one** question in Section B.

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

Write your answers in the spaces provided in this booklet.

If additional space is required you should use the lined pages at the end of this booklet.

The question numbers should be clearly shown.

**INFORMATION FOR CANDIDATES**

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

Your ability to spell, punctuate and use grammar and specialist terms accurately will be assessed in your answer to question 2 (e).

## SECTION A

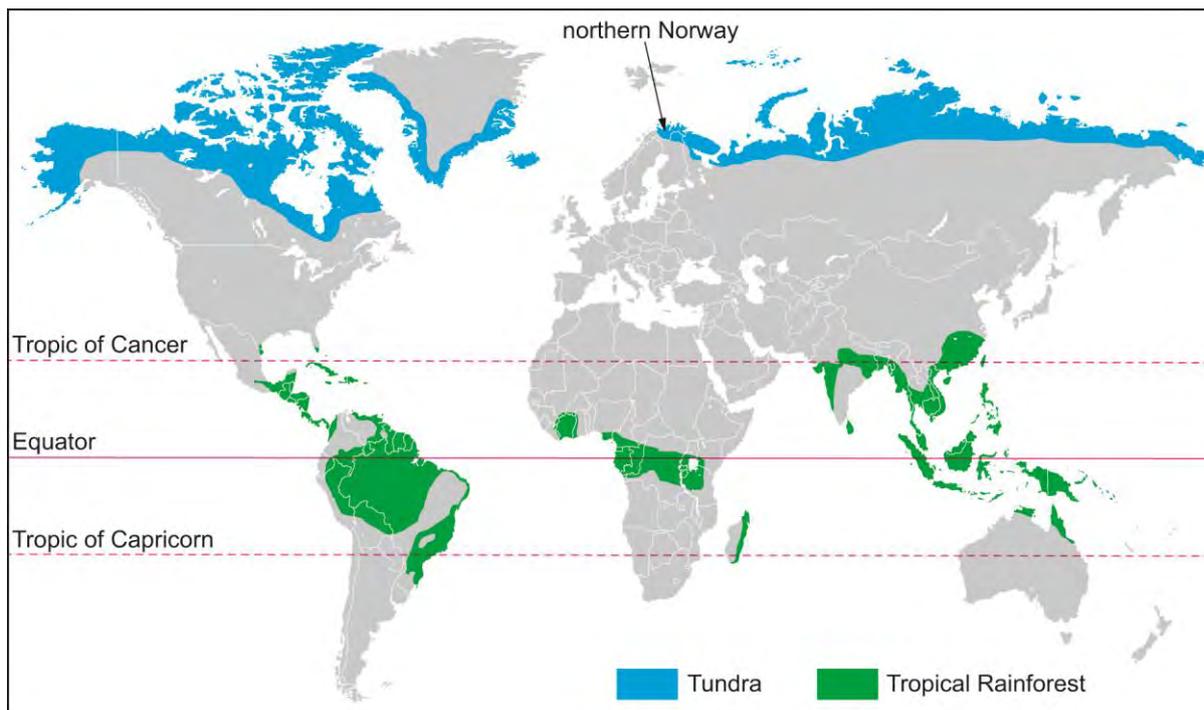
## CORE THEMES

Answer **all** of the questions in this section.

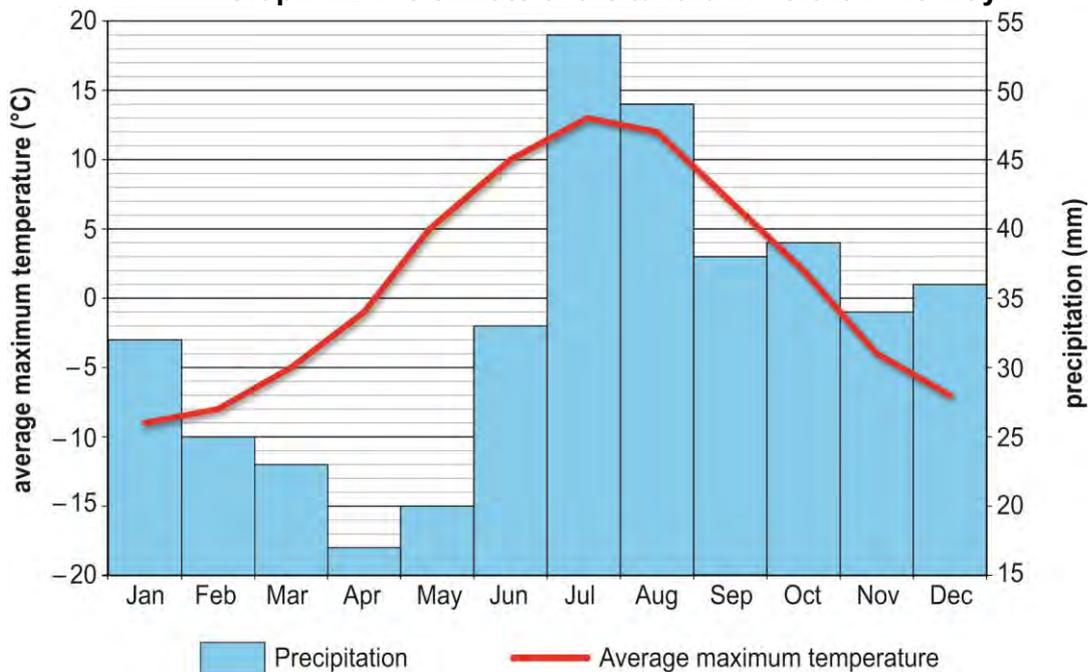
## CORE THEME 5: Weather, climate and ecosystems

1. (a) Study the map and climate graph below.

**Map 1.1 The distribution of tundra and tropical rainforest (biomes)**



**Graph 1.2 The climate of the tundra in northern Norway**



- (i) Describe the climate of the tundra by completing the statements below.

Circle the correct response in each sentence by using Graph 1.2. [4]

The temperature is below zero for **4 / 6 / 2** months of the year.

The average temperature in July is **13 / 15 / 17** °C.

The annual range of temperature is **9 / 13 / 22** °C.

The total precipitation for the year is about **200 / 300 / 400** mm.

- (ii) Give **two** reasons why the tundra climate is much colder than the tropical climate. [4]

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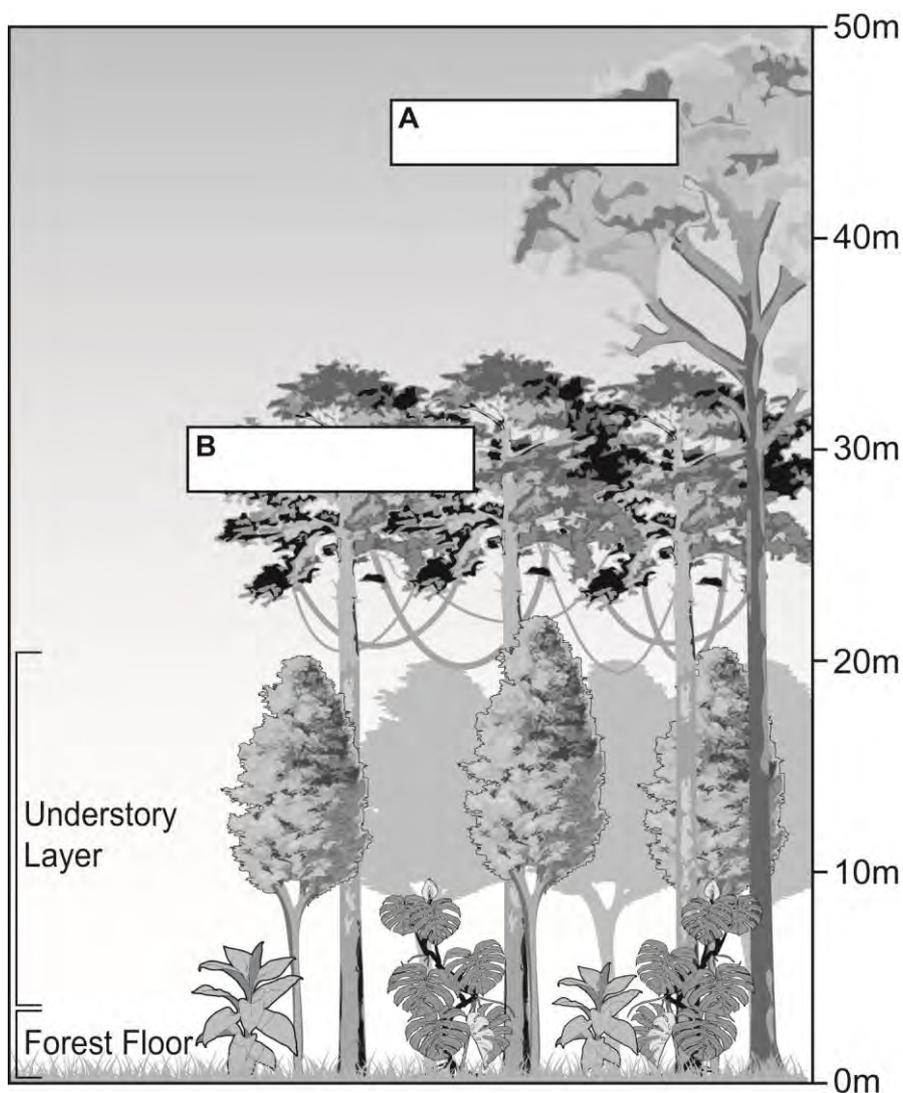
- (iii) The tundra ecosystem contains both living and non-living parts. Use your knowledge of ecosystems to complete the table by putting the **three** answers from the box into the correct columns. [2]

arctic hare	moss	bacteria in the soil
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non-living parts	living parts of the tundra		
	producer	consumer	decomposer
rocks			

- (b) Study the diagram below.

**Diagram 1.3 The structure of the tropical rainforest**



- (i) Add labels to Diagram 1.3 to name the layers in boxes A and B. [2]

- (ii) Describe the structure of **one other** named ecosystem you have studied. [4]

Name of ecosystem .....

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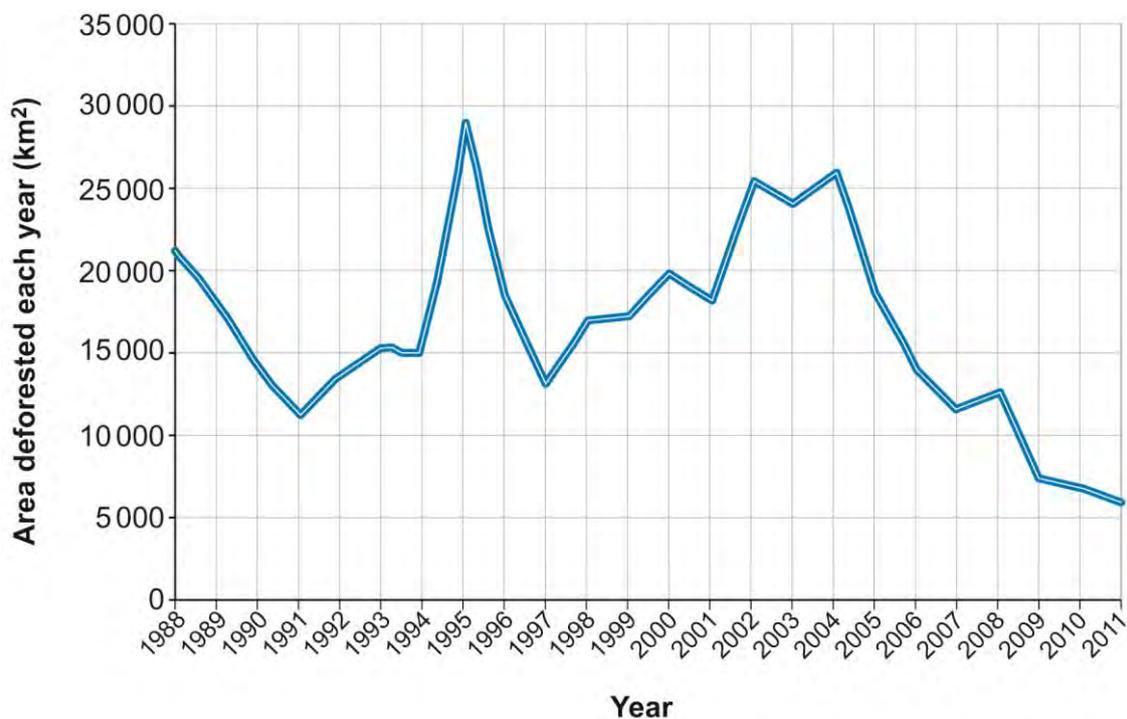
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- (c) Conservationists are concerned about the amount of tropical rainforest cut down each year. Study the graph below.

**Graph 1.4 Deforestation of the Amazon rainforest in Brazil**



- (i) Which **two** statements best describe the trends on Graph 1.4?  
Tick (✓) **two** correct statements. [2]

	Tick (✓) <b>two</b> correct statements
The amount of deforestation has gradually decreased since 1988	
The amount of deforestation has fluctuated but the overall trend is downwards since 1988	
There has been a negative correlation since 1988	
Half as many trees were cut down in 2011 as in 1995	
Almost 5 times as many trees were cut down in 1995 than in 2011	
20,000 less trees were cut down in 2011 than in 1995	

- (ii) Explain why deforestation alters the movement of water through a tropical drainage basin. [6]

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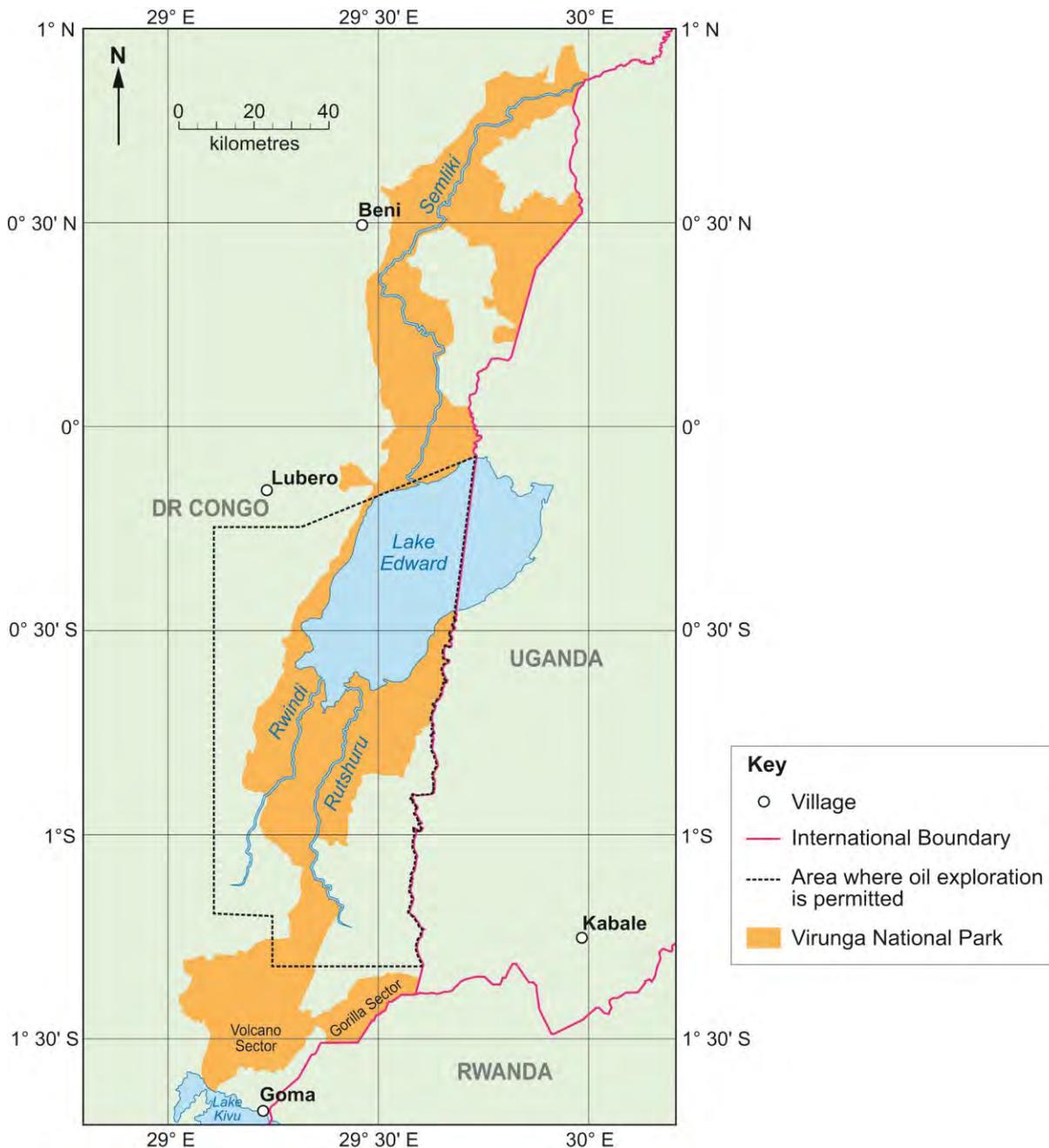
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(d) Study the map 1.5 below

**Map 1.5 The Virunga National Park**



(i) Use map 1.5. Give the latitude and longitude of Kabale. [2]

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**End of Question 1**

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**CORE THEME 6: Economic development**

2. (a) Define the following terms. In each question, tick (✓) the correct statement.

(i) Globalisation is: [1]

	tick (✓)
The change in temperature of the Earth's atmosphere over time	
When charities provide help to poor countries after a disaster	
The way in which countries are linked by people, technology or money	

(ii) NIC stands for: [1]

	tick (✓)
Non-industrialised Country	
Newly Industrialised Country	
Newly Industrialised Company	

(iii) One feature of the global economy is that many people in developing economies work in informal jobs.  
Give **four** features of informal work. [4]

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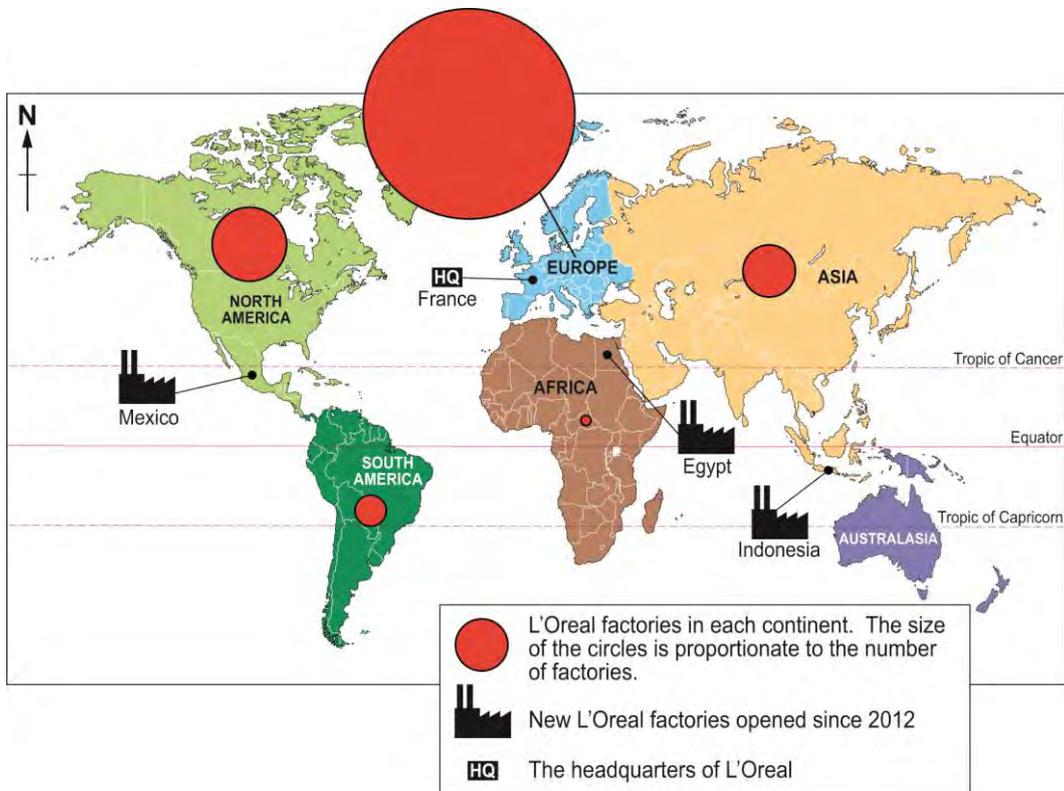
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- (b) Study the map below. L'Oréal is a global company, or multi-national company (MNC), with employees in 130 different countries. L'Oréal manufactures cosmetics (such as hair colouring).

**Map 2.1 The distribution of L'Oréal factories**



Describe **one** way that Map 2.1 could be adapted to more clearly show the distribution of L'Oréal factories. [2]

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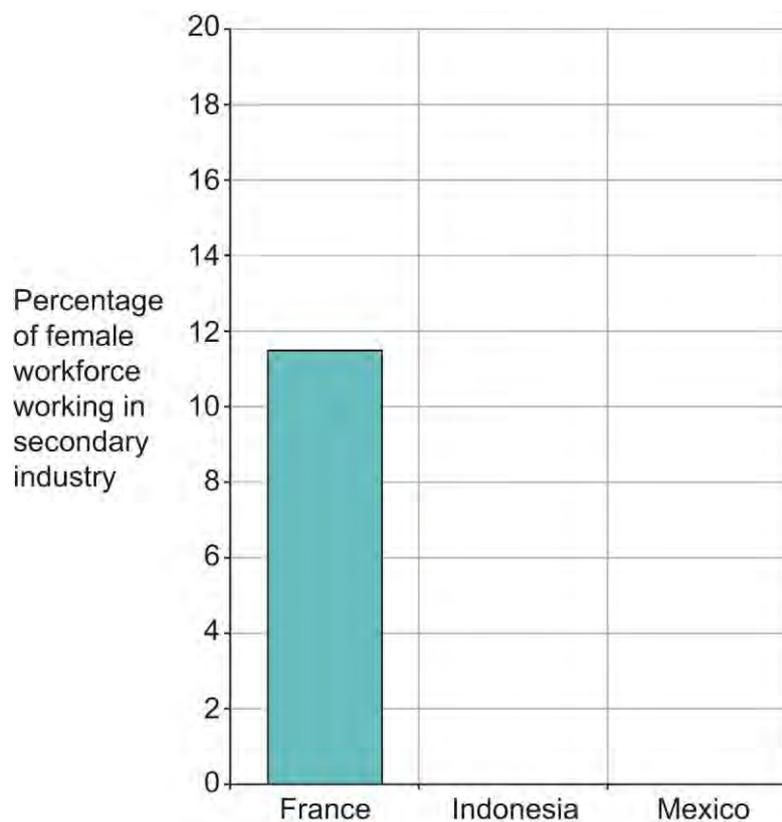
- (c) L'Oréal employs 30,000 people in Asia and Central and South America. 66% of these employees are women. Study the table below.

**Table 2.2 Selected facts about three countries where L'Oréal has factories**

	France	Indonesia	Mexico
Gross National Income (GNI) per person US\$ 2011	35,650	4,520	15,060
Per cent of all female workforce that work in secondary industry	11.5	15	18
Internet users per 100 people	76	18	36
Population (millions)	66	255	121

- (i) Use data from Table 2.2 to complete Graph 2.3 below. [2]

**Graph 2.3 Per cent of all female workforce that work in secondary industry**



- (ii) Which statement best describes the difference between GNI in France and Indonesia?  
Use evidence from Table 2.2. Tick (✓) the correct answer. [1]

	Tick (✓)
GNI in France is almost 6 times higher than in Indonesia	
GNI in France is almost 8 times higher than in Indonesia	
GNI in France is almost 10 times higher than in Indonesia	

- (iii) Use Table 2.2 to identify which of the three countries has the largest actual number of internet users.

Show your working in the space below. [3]

The country is .....

- (d) (i) Give **two** recent changes in technology that have allowed multi-national companies such as L'Oréal to expand. [2]

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- (ii) Explain how changes in technology have allowed multi-national companies such as L'Oréal to expand globally. [4]

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- (iii) Explain why multi-national companies like L'Oréal open factories in countries such as Indonesia and Mexico. [6]

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**End of Question 2**

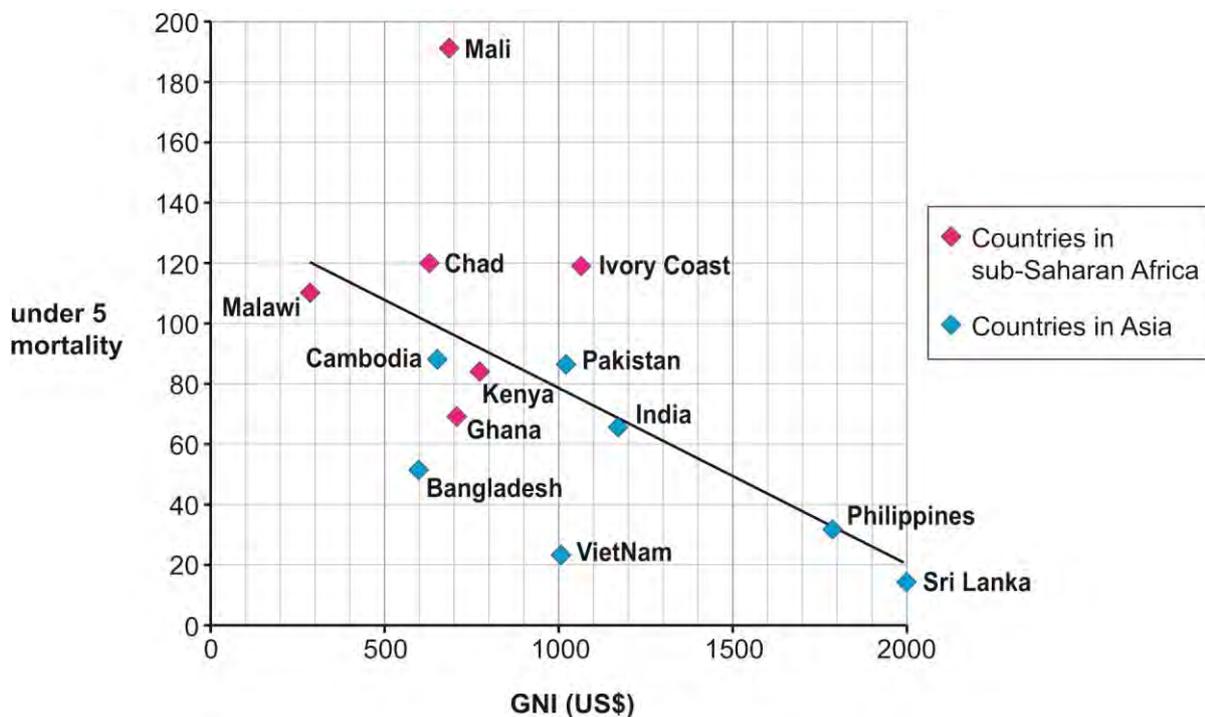
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**SECTION B: OPTIONS**Answer **one** question in this section.

Choose either question 3 (Theme 7) OR question 4 (Theme 8)

**THEME 7: Social development**

3. (a) Study the scatter graph below. Gross National Income (GNI) is a measure of the wealth of a country.

**Graph 3.1**

- (i) Use Graph 3.1 to complete the table below.

[2]

Country	GNI (US\$) per person	Under 5 mortality
	1020	85
Bangladesh		52

- (ii) Under 5 mortality is one measure of the 'development gap'. Describe what is measured by under 5 mortality. [2]

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- (b) Some countries of sub-Saharan Africa have a large percentage of the population infected with HIV/AIDS. Explain why this is a problem for the government. [4]

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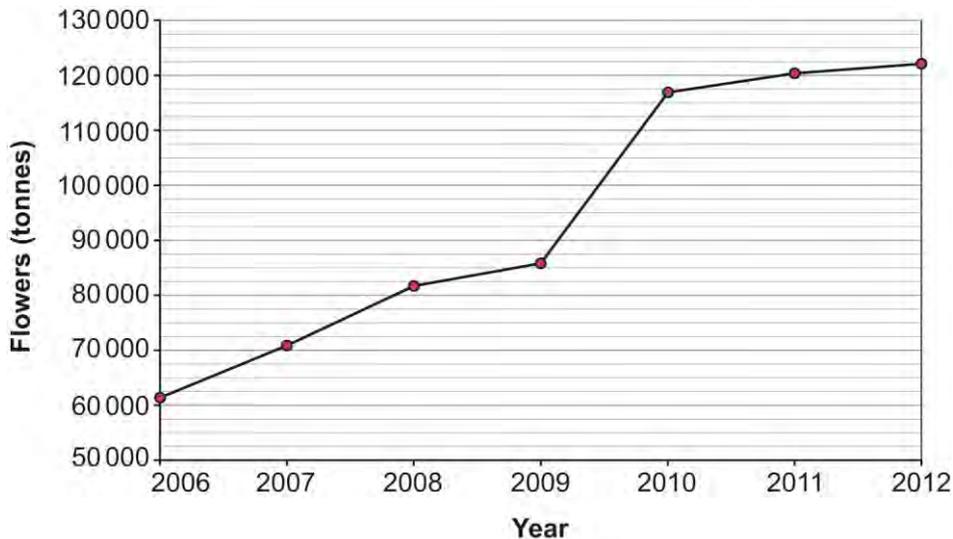
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**THEME 8 – Environmental challenges**

4. (a) Study the graph below.

**Graph 4.1 Export of flowers from Kenya (by weight). Figures in tonnes**



(i) Use Graph 4.1 to describe the trend in the export of flowers from Kenya between 2006 and 2012. [2]  
Use figures in your answer.

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(ii) The export of flowers is one way in which the UK and Kenya are interdependent. [2]  
Apart from trade (exports and imports), outline **one** other way in which countries are interdependent.

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- (b) Explain why the transport of food products across the world has impacts on the environment. [4]

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- (c) To what extent are consumers in the UK to blame for damage to tropical ecosystems? In your answer you should consider the ways in which consumer demand in the UK has an impact on tropical farms and ecosystems compared to other factors. [8]

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**End of Question 4**