

**Paper Reference 4GE1/02R**  
**Pearson Edexcel**  
**International GCSE (9–1)**

Total Marks

**Geography**  
**Paper 2: Human Geography**

**Thursday 13 June 2019 – Morning**

**Time: 1 hour 45 minutes plus your  
additional time allowance.**

**In the boxes below, write your name,  
centre number and candidate number.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

**Y59902RA**

**YOU MUST HAVE**

**Calculator**

**YOU WILL BE GIVEN**

**Resource Book**

**INSTRUCTIONS**

**In Section A, answer TWO questions from Questions 1, 2 AND 3**

**In Section B, answer ONE question from Questions 4, 5 AND 6**

**In Section C, answer ONE question from Questions 7, 8 AND 9**

**Answer the questions in the spaces provided in this Question Paper – there may be more space than you need.**

**Turn over**

**Calculators may be used.**

**Where asked you must show all your working out with your answer clearly identified at the end of your solution.**

## **INFORMATION**

**The total mark for this paper is 105**

**The marks for EACH question are shown in brackets – use this as a guide as to how much time to spend on each question.**

**Turn over**

## **ADVICE**

**Read each question carefully before you start to answer it.**

**Check your answers if you have time at the end.**

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**Turn over**

## **SECTION A**

**Answer TWO Questions from this section.**

**Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.**

**Indicate which question you are answering by marking a cross in the box. If you change your mind, put a line through the box and then indicate your new question with a cross.**

**Turn over**

**6**

**If you answer Question 1 put a  
cross in this box**

☐

**Turn over**

**1. Economic activity and energy.**

- (a) The Clark Fisher model is used to describe the process of industrialisation.**

**Identify the stage which is characterised by agriculture being the most important sector.**

- A pre–industrial phase**
- B industrial phase**
- C development pathway phase**
- D post–industrial phase**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

1. continued.

(b) Define the term **employment structure**.

(1 mark)

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(continued on the next page)

**Turn over**



**1. continued.**

**(c) Identify the economic sector that includes manufacturing as an activity.**

**A quaternary**

**B tertiary**

**C secondary**

**D primary**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**1. continued.**

**(d) Study Figure 1a in the  
Resource Book.**

**Suggest ONE reason that has  
influenced the proportions of  
GDP shown in Turkey.**

**(2 marks)**

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**Turn over**

**1. continued.**

**(e) State ONE example of a  
non–renewable energy resource.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

1. continued.

- (f) Explain TWO reasons why energy demand varies globally.  
(4 marks)

Answer lines continue on the next page.

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Turn over

1. (f) continued.

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(continued on the next page)

**1. continued.**

**(g) Study Figure 1b in the  
Resource Book.**

**Suggest ONE reason for the shift  
in manufacturing production  
shown on Figure 1b  
(3 marks)**

**Answer lines continue on the  
next page.**

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**Turn over**

1. (g) continued.

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(continued on the next page)

Turn over

1. continued.

(h) For a named **developing or emerging country**, explain **TWO** ways energy resources have been managed in a **sustainable way**.

(4 marks)

**Answer lines continue on the next page.**

**Named developing or emerging country** \_\_\_\_\_

1 \_\_\_\_\_  
\_\_\_\_\_  
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**Turn over**



1. (h) continued.

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(continued on the next page)

Turn over

**1. continued.**

**(i) Study Figure 1c in the  
Resource Book.**

**Analyse the reasons for the  
different population and resource  
relationships shown.**

**(8 marks)**

**Answer lines continue on the  
next four pages.**

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**Turn over**

**1. (i) continued.**

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**Turn over**

1. (i) continued.

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Turn over

1. (i) continued.

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Turn over

1. (i) continued.

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**(Total for Question 1 = 25 marks)**

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**Turn over**

**23**

**If you answer Question 2 put a  
cross in this box**

☐

**Turn over**

## 2. Rural environments.

(a) Identify the meaning of the term **suburbanisation**.

- A** the outward growth of urban development
- B** population movement from rural to urban areas
- C** increasing movement of people from urban to rural areas
- D** population movement from the suburbs to the countryside

Answer

(1 mark)

(continued on the next page)

Turn over



**2. continued.**

**(b) Define the term GM crop.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

**2. continued.**

**(c) Identify ONE of the goods provided by natural ecosystems.**

**A soil formation**

**B waste decomposition**

**C timber**

**D aluminium**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**2. continued.**

**(d) Study Figure 2a in the  
Resource Book.**

**Explain ONE physical factor that  
could have influenced the choice  
of crop shown in the farming  
system on Figure 2a  
(2 marks)**

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**(continued on the next page)**

**Turn over**

**2. continued.**

**(e) State ONE way that farmers  
can modify natural ecosystems  
to improve farm system  
productivity.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

**2. continued.**

**(f) Explain TWO reasons why  
some farmers are moving into  
diversification of farming.**

**(4 marks)**

**Answer lines continue on the  
next page.**

**1**

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**Turn over**

2. (f) continued.

2

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(continued on the next page)

Turn over

**2. continued.**

**(g) Study Figure 2b in the  
Resource Book.**

**Suggest ONE reason for one of  
the trends shown on Figure 2b  
(3 marks)**

**Answer lines continue on the  
next page.**

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**Turn over**

**2. (g) continued.**

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**(continued on the next page)**

**Turn over**



**2. continued.**

**(h) For a named developing or emerging country, explain how TWO different groups have managed challenges within the rural environment.**

**(4 marks)**

**Answer lines continue on the next page.**

**Named developing or emerging country \_\_\_\_\_**

**Group 1**

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**Turn over**

2. (h) continued.

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**Group 2**

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(continued on the next page)

**Turn over**

**2. continued.**

**(i) Study Figure 2c in the  
Resource Book.**

**Analyse the reasons for the  
distribution of the world's biomes.**

**(8 marks)**

**Answer lines continue on the  
next three pages.**

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**Turn over**

2. (i) continued.

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Turn over

**2. (i) continued.**

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**Turn over**

**2. (i) continued.**

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**(Total for Question 2 = 25 marks)**

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**Turn over**

**39**

**If you answer Question 3 put a  
cross in this box**

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**Turn over**

**3. Urban environments.**

**(a) Identify the meaning of the term urbanisation.**

- A** increasing proportion of people living in urban areas
- B** population movement from one country to another
- C** increasing population growth on the edge of urban areas
- D** population movement from one urban area to another

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**



**3. continued.**

**(b) Define the term megacity.**

**(1 mark)**

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**Turn over**

**3. continued.**

**(c) Identify ONE characteristic of a squatter settlement.**

- A** a location that has previously been built on
- B** a location that has high-rise development
- C** a location that has illegally built housing
- D** a location that has a planned housing development

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**3. continued.**

**(d) Study Figure 3a in the  
Resource Book.**

**Explain ONE piece of evidence  
that shows this urban area has  
transport challenges.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**

**3. continued.**

**(e) State ONE environmental issue associated with the rapid growth of megacities.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

**3. continued.**

**(f) Explain TWO reasons why urban land use patterns vary.**

**(4 marks)**

**Answer lines continue on the next page.**

**1**

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**Turn over**

3. (f) continued.

2

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(continued on the next page)

Turn over

**3. continued.**

**(g) Study Figure 3b in the  
Resource Book.**

**Explain ONE reason for the  
differences in quality of life  
shown.**

**(3 marks)**

**Answer lines continue on the  
next page.**

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**Turn over**

**3. (g) continued.**

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**(continued on the next page)**

**Turn over**



**3. continued.**

**(h) For a named developing or emerging country, explain how TWO different groups managed challenges within urban environments.**

**(4 marks)**

**Answer lines continue on the next page.**

**Named developing or emerging country \_\_\_\_\_**

**Group 1**

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**Turn over**

**3. (h) continued.**

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**Group 2**

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**(continued on the next page)**

**Turn over**

**3. continued.**

**(i) Study Figure 3c in the  
Resource Book.**

**Analyse the reasons for the  
distribution of the world's largest  
cities.**

**(8 marks)**

**Answer lines continue on the  
next three pages.**

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**Turn over**

3. (i) continued.

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3. (i) continued.

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Turn over

**3. (i) continued.**

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**(Total for Question 3 = 25 marks)**

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**TOTAL FOR SECTION A = 50 MARKS**

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**Turn over**

## **SECTION B**

### **Geographical enquiry**

**Answer ONE Question only from this section.**

**If you answer Question 4 put a cross in this box**

☐

**Turn over**

**4. Investigating economic activity and energy.**

**You have studied economic activity and energy as part of your own geographical enquiry.**

- (a) (i) State ONE type of secondary data you used in your geographical enquiry.  
(1 mark)**

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**Turn over**



4. (a) continued.

(ii) Explain ONE way this  
secondary data helped you  
when investigating energy.  
(2 marks)

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Turn over

**4. continued.**

**(b) State the title of your  
geographical enquiry.**

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**Turn over**

4. (b) continued.

**Explain ONE reason why this title was suitable for your geographical enquiry.**

**(2 marks)**

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**Turn over**

**4. continued.**

**(c) Explain ONE limitation of a method that you used to collect quantitative data.**

**(3 marks)**

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**Turn over**

**4. continued.**

**(d) Explain TWO methods you used to analyse some of your fieldwork data.**

**(4 marks)**

**Answer lines continue on the next page.**

**Method 1**

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**Turn over**

4. (d) continued.

Method 2

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Turn over

**4. continued.**

**(e) Study Figures 4a and 4b in the Resource Book. They show two different data presentation techniques from a student's fieldwork into energy use.**

**The aim of the student's investigation was to identify attitudes towards the plans for a new nuclear power station in north-west India.**

**The student carried out two different types of surveys into people's opinions and attitudes towards the proposed energy development.**

**(continued on the next page)**

**Turn over**

4. (e) continued.

**Evaluate the student's data  
presentation techniques.**

**(8 marks)**

**Answer lines continue on the  
next three pages.**

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**Turn over**



4. (e) continued.

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4. (e) continued.

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Turn over

4. (e) continued.

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**(Total for Question 4 = 20 marks)**

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**Turn over**

**68**

**If you answer Question 5 put a  
cross in this box**

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**Turn over**

**5. Investigating rural environments.**

**You have studied rural environments as part of your own geographical enquiry.**

- (a) (i) State ONE type of secondary data you used in your geographical enquiry.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

**5. (a) continued.**

**(ii) Explain ONE way this  
secondary data helped you  
when investigating rural  
environments.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**

**5. continued.**

**(b) State the title of your  
geographical enquiry.**

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**(continued on the next page)**

**Turn over**

**5. (b) continued.**

**Explain ONE reason why this  
title was suitable for your  
geographical enquiry.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**



**5. continued.**

**(c) Explain ONE limitation of a method that you used to collect quantitative data.**

**(3 marks)**

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**(continued on the next page)**

**Turn over**

**5. continued.**

**(d) Explain TWO methods you used to analyse some of your fieldwork data.**

**(4 marks)**

**Answer lines continue on the next page.**

**Method 1**

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**Turn over**

5. (d) continued.

Method 2

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(continued on the next page)

Turn over

**5. continued.**

**(e) Study Figures 5a and 5b in the Resource Book. They show two different data presentation techniques from a student's fieldwork into the use of rural environments.**

**The aim of the student's investigation was to identify attitudes towards the plans for a new tourist development in the New Territories, Hong Kong.**

**The student carried out two different types of surveys into people's opinions and attitudes towards the proposed tourist development.**

**(continued on the next page)**

**Turn over**

**5. (e) continued.**

**Evaluate the student's data  
presentation techniques.**

**(8 marks)**

**Answer lines continue on the  
next three pages.**

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**Turn over**

5. (e) continued.

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5. (e) continued.

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Turn over

**5. (e) continued.**

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**(Total for Question 5 = 20 marks)**

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**Turn over**



**81**

**If you answer Question 6 put a  
cross in this box**

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**Turn over**

**6. Investigating urban environments.**

**You have studied the use of central/inner urban environments as part of your own geographical enquiry.**

- (a) (i) State ONE type of secondary data you used in your geographical enquiry.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

**6. (a) continued.**

**(ii) Explain ONE way this  
secondary data helped  
you when investigating the  
use of central/inner urban  
environments.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**

**6. continued.**

**(b) State the title of your  
geographical enquiry.**

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**(continued on the next page)**

**Turn over**

**6. (b) continued.**

**Explain ONE reason why this  
title was suitable for your  
geographical enquiry.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**

**6. continued.**

**(c) Explain ONE limitation of a method that you used to collect quantitative data.**

**(3 marks)**

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**(continued on the next page)**

**Turn over**

**6. continued.**

**(d) Explain TWO methods you used to analyse some of your fieldwork data.**

**(4 marks)**

**Answer lines continue on the next page.**

**Method 1**

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**Turn over**

6. (d) continued.

Method 2

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(continued on the next page)

Turn over



**6. continued.**

**(e) Study Figures 6a and 6b in the Resource Book. They show two different data presentation techniques from a student's fieldwork into central/inner urban environments.**

**(continued on the next page)**

**Turn over**

**6. (e) continued.**

**The aim of the student's investigation was to investigate the attitudes towards the plans for a new urban waste incinerator in Dubai, UAE.**

**The student carried out two different types of surveys into people's opinions and attitudes towards the proposed urban waste incinerator development.**

**(continued on the next page)**

**Turn over**

**6. (e) continued.**

**Evaluate the student's data  
presentation techniques.**

**(8 marks)**

**Answer lines continue on the  
next three pages.**

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**Turn over**

6. (e) continued.

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6. (e) continued.

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Turn over

**6. (e) continued.**

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**(Total for Question 6 = 20 marks)**

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**TOTAL FOR SECTION B = 20 MARKS**

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**Turn over**

## **SECTION C**

### **Global Issues**

**Answer ONE Question only from this section.**

**Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.**

**Indicate which question you are answering by marking a cross in the box. If you change your mind, put a line through the box and then indicate your new question with a cross.**

**Turn over**

**If you answer Question 7 put a  
cross in this box**

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**7. Fragile environments and climate change.**

**(a) (i) Identify ONE natural cause of climate change.**

**A industry**

**B transport**

**C volcanoes**

**D intensive farming**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**7. (a) continued.**

**(ii) Identify the meaning of the term enhanced greenhouse effect.**

- A** cooling of the Earth's atmosphere from human activities
- B** less heat trapped in the Earth's atmosphere
- C** additional heat trapped as a result of natural effects
- D** additional heat trapped as a result of human activities

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**7. continued.**

**(b) (i) Define the term  
deforestation.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

**7. (b) continued.**

**(ii) Study Figure 7a in the  
Resource Book.**

**Identify TWO countries  
labelled in Figure 7a with a  
net loss in forest cover of  
greater than 5,000 km<sup>2</sup>/year.  
(2 marks)**

**1** \_\_\_\_\_

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**2** \_\_\_\_\_

\_\_\_\_\_

**(continued on the next page)**

**Turn over**

**7. (b) continued.**

**(iii) Suggest TWO possible reasons for the pattern shown on Figure 7a (4 marks)**

**Answer lines continue on the next page.**

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7. (b) (iii) continued.

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(continued on the next page)

Turn over

**7. continued.**

**(c) Explain TWO negative effects  
climate change is having on  
people.**

**(4 marks)**

**Answer lines continue on the  
next page.**

**1**

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**Turn over**

7. (c) continued.

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(continued on the next page)

Turn over



**7. continued.**

**(d) Study Figure 7b in the  
Resource Book.**

**(i) Calculate the range in  
total deforestation loss  
between 2004 and 2012**

**You must show all your  
 workings in the space below  
 and on the next page.**

**(2 marks)**

**Turn over**

**7. (d) (i) continued.**

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**(continued on the next page)**

**Turn over**

**7. (d) continued.**

**(ii) Describe the extent to which  
deforestation rates have  
changed from 2004–2012  
in Figure 7b  
(2 marks)**

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**(continued on the next page)**

**Turn over**

**7. continued.**

**(e) Study Figure 7c in the  
Resource Book.**

**Assess the different factors that  
have caused deforestation.**

**(6 marks)**

**Answer lines continue on the  
next two pages.**

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**Turn over**

7. (e) continued.

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Turn over

**7. (e) continued.**

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**(continued on the next page)**

**Turn over**

**7. continued.**

**(f) Discuss the view:**

**“It is possible to manage the global rates of deforestation in a more sustainable way”.**

**Use Figures 7a, 7b and 7c from the Resource Book and your own knowledge and understanding to support your answer.**

**(12 marks)**

**Answer lines continue on the next five pages.**

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**Turn over**

7. (f) continued.

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Turn over



7. (f) continued.

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7. (f) continued.

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Turn over

7. (f) continued.

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Turn over

**7. (f) continued.**

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**(Total for Question 7 = 35 marks)**

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**Turn over**

**If you answer Question 8 put a  
cross in this box**

☐

**Turn over**

**8. Globalisation and migration.**

**(a) (i) Identify ONE main factor encouraging the rise of the global economy.**

**A increasing sport**

**B overfishing**

**C technology**

**D intensive agriculture**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

8. (a) continued.

(ii) Identify the meaning of the term **WTO**

**A** World Technology Organisation

**B** World Trade Operations

**C** World Typhoon Organisation

**D** World Trade Organisation

Answer

(1 mark)

(continued on the next page)

Turn over

**8. continued.**

**(b) (i) Define the term foreign investment.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**



**8. (b) continued.**

**(ii) Study Figure 8a in the  
Resource Book.**

**Identify TWO countries  
labelled in Figure 8a  
with the highest index of  
globalisation.**

**(2 marks)**

**1**

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**2**

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**(continued on the next page)**

**Turn over**

8. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown on Figure 8a (4 marks)

Answer lines continue on the next page.

1

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8. (b) (iii) continued.

2

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(continued on the next page)

Turn over

**8. continued.**

**(c) Explain TWO positive impacts of globalisation.**

**(4 marks)**

**Answer lines continue on the next page.**

**1**

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**Turn over**

8. (c) continued.

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(continued on the next page)

Turn over

**8. continued.**

**(d) Study Figure 8b in the  
Resource Book.**

**(i) Calculate the difference  
in the range in the total  
number of visitors for Spain  
and Italy.**

**You must show all your  
workings in the space below  
and on the next page.**

**(2 marks)**

**Turn over**

8. (d) (i) continued.

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(continued on the next page)

Turn over

**8. (d) continued.**

**(ii) Describe ONE characteristic  
of the 'Holiday' visit data in  
Figure 8b  
(2 marks)**

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**(continued on the next page)**

**Turn over**



**8. continued.**

**(e) Study Figure 8c in the  
Resource Book.**

**Assess the different factors that  
have caused the rise in global  
tourism.**

**(6 marks)**

**Answer lines continue on the  
next two pages.**

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**Turn over**

8. (e) continued.

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Turn over

**8. (e) continued.**

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**(continued on the next page)**

**Turn over**

**8. continued.**

**(f) Discuss the view:**

**“It is possible to manage the global impacts of tourism in a more sustainable way”.**

**Use Figures 8a, 8b and 8c from the Resource Book and your own knowledge and understanding to support your answer.**

**(12 marks)**

**Answer lines are on the next five pages.**

**Turn over**

8. (f) continued.

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Turn over

8. (f) continued.

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Turn over

8. (f) continued.

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Turn over

8. (f) continued.

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Turn over



**8. (f) continued.**

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**(Total for Question 8 = 35 marks)**

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**Turn over**

**If you answer Question 9 put a  
cross in this box**

☐

**9. Development and human welfare.**

**(a) (i) Identify ONE factor that could be used as a measure of development.**

**A participation in sport**

**B water availability**

**C index of political corruption**

**D bottom–up development**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

9. (a) continued.

(ii) Identify the meaning of the term **fertility rate**.

**A** the number of live births per thousand of population per year

**B** the number of deaths in a particular population

**C** the number of births in the total population

**D** the number of births per woman in a population

Answer

(1 mark)

(continued on the next page)

Turn over

**9. continued.**

**(b) (i) Define the term water security.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

9. (b) continued.

(ii) Study Figure 9a in the  
Resource Book.

Identify TWO countries  
labelled in Figure 9a with an  
HDI of less than 48·00  
(2 marks)

1

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2

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(continued on the next page)

Turn over

9. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown on Figure 9a (4 marks)

Answer lines continue on the next page.

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9. (b) (iii) continued.

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(continued on the next page)

Turn over



**9. continued.**

**(c) Explain TWO impacts of uneven development on the quality of life within a country.**

**(4 marks)**

**Answer lines continue on the next page.**

**1**

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**Turn over**

9. (c) continued.

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(continued on the next page)

Turn over

**9. continued.**

**(d) Study Figure 9b in the  
Resource Book.**

**(i) Calculate the range in infant  
mortality for South Asia  
between 1960 and 2012**

**You must show all your  
 workings in the space below  
 and on the next page.**

**(2 marks)**

**Turn over**

9. (d) (i) continued.

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(continued on the next page)

Turn over

9. (d) continued.

(ii) Describe the extent to which  
infant mortality rates have  
changed from **1960–2012**  
in Figure 9b  
(2 marks)

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(continued on the next page)

Turn over

**9. continued.**

**(e) Study Figure 9c in the  
Resource Book.**

**Assess the different factors  
that have caused uneven global  
development.**

**(6 marks)**

**Answer lines continue on the  
next two pages.**

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**Turn over**

9. (e) continued.

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Turn over

9. (e) continued.

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(continued on the next page)

Turn over



**9. continued.**

**(f) Discuss the view:**

**“Different strategies are needed to reduce the uneven global development”.**

**Use Figures 9a, 9b and 9c from the Resource Book and your own knowledge and understanding to support your answer.**

**(12 marks)**

**Answer lines are on the next five pages.**

**Turn over**

9. (f) continued.

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Turn over

9. (f) continued.

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Turn over

9. (f) continued.

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Turn over

9. (f) continued.

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Turn over

9. (f) continued.

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**(Total for Question 9 = 35 marks)**

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**TOTAL FOR SECTION C = 35 MARKS**

**TOTAL FOR PAPER = 105 MARKS**

**END OF PAPER**

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