

**Monday 18 June 2012 – Morning**

**GCSE GEOGRAPHY (Short Course)**

**A772/02** Key Geographical Themes (Higher Tier)

Candidates answer on the Question Paper.

**OCR supplied materials:**

- Resource Booklet (B563/A772/01/02/RB – inserted)

**Other materials required:**

None

**Duration:** 1 hour



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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**INSTRUCTIONS TO CANDIDATES**

- The Resource Booklet will be found in the centre of this document. You may not use all of the resources. The questions tell you which resources you need to use.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **TWO** questions. Answer **one** question from Section A (**either** Question 1 **or** Question 2) and answer **one** question from Section B (**either** Question 3 **or** Question 4).
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- 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.
- Do **not** write in the bar codes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **50**.
- You will be awarded marks in Questions 1(d), 2(d), 3(e) and 4(d) for the quality of written communication of your answer.
- This document consists of **16** pages. Any blank pages are indicated.

**Section A**

You must answer **either** Question 1 **or** Question 2.

**Rivers and Coasts**

**EITHER**

**1** Use **Figs 1** and **2** in the Resource Booklet.

**(a)** Study **Fig. 1**, a diagram which shows a drainage basin system.

**(i)** Name one store shown in **Fig. 1**.

..... [1]

**(ii)** What is 'transpiration'?

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..... [1]

**(iii)** Explain **two** reasons why there is more surface run-off in a farming area than in a forest area.

1 .....

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2 .....


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..... [4]

(b) Study **Fig. 2**, a map which shows information about the risk of flooding in English local authorities.

(i) Complete the table below to rank the number of properties at significant risk of flooding in the five local authorities named on **Fig. 2**.

Rank order of number of properties at significant risk of flooding	Name of local authority
Highest  Lowest	East Lindsey
	Daventry

[1]

(ii) Compare the risk of significant flooding to properties between the North East region and the South East region. Use data from **Fig. 2** in your answer.

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..... [2]

(c) (i) One reason why rivers flood is heavy rainfall. Give **two** other reasons to explain why river flooding is more likely to occur in some areas than others.

1 .....

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2 .....

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..... [4]

(ii) How can rivers be controlled to try to prevent flooding?

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**(d) CASE STUDY – river landforms and processes**

Name a river valley you have studied.

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Describe **one** landform which is found in this river valley and explain how it was formed. You may use a labelled diagram(s). Include at least **three** developed ideas.

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**[Total marks: 25]**

OR

2 Use **Fig. 3** in the Resource Booklet.

(a) Study **Fig. 3**, a map which shows the average annual rate of erosion for settlements along the Holderness coast.

(i) The average annual rate of erosion for the **whole** of the Holderness coast is 1.8 metres.

Which settlement has a rate of erosion closest to the average for the whole of the Holderness coast?

..... [1]

(ii) Rank, from high to low, the following settlements in order of rate of erosion.

Aldbrough                      Hilston                      Mableton

Highest	
↓	
Lowest	

[1]

(iii) Suggest **three** reasons why the rate of coastal erosion varies along the Holderness coast.

1 .....

2 .....

3 .....

[3]



**(d) CASE STUDY – a coastal area and its landforms**

Name a coastal area you have studied.

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Describe **one** landform which is found in this coastal area and explain how it was formed. You may use a labelled diagram(s). Include at least **three** developed ideas.

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[Total marks: 25]

**END OF QUESTION 2**



**Section B**

You must answer **either** Question 3 **or** Question 4.

**Economic Development**

**EITHER**

**3** Use **Figs 9a, 9b, 10** and **11** in the Resource Booklet.

**(a)** Study **Figs 9a** and **9b**, scatter graphs showing GDP per person and infant mortality, and GDP per person and life expectancy.

**(i)** Which country has an infant mortality rate of 26 per thousand and a life expectancy of 72 years?

..... [1]

**(ii)** Describe the different relationships shown between the GDP per person and the two indicators (infant mortality and life expectancy).

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.....  
..... [2]

**(iii)** How does an increase in GDP per person help to change life expectancy and infant mortality rates? Develop your ideas.

Life expectancy .....

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..... [4]

(b) Explain how improvement in the level of literacy can affect quality of life.

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..... [4]

(c) Study **Figs 10** and **11** which are about economic development.  
Which shows level of economic development better, **Fig. 10** or **Fig. 11**? Give **two** reasons to support your choice.

Fig.....  
1 .....  
.....  
2 .....  
..... [2]

(d) Aid can be helpful to a country's long-term development, but there can also be disadvantages.  
Explain **two** disadvantages of long-term aid.

1 .....  
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2 .....  
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..... [4]

**(e) CASE STUDY – an aid project in an LEDC**

Name the LEDC and aid project.

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Describe the main features of the aid project and explain how sustainable the project is. Include at least **three** developed ideas.

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[Total marks: 25]

**END OF QUESTION 3**

OR

4 Use **Figs 13** and **14** in the Resource Booklet.

(a) Study **Fig. 13**, a triangular graph which shows the employment structure of eight countries.

(i) What percentage of the working population of China is employed in the primary sector?  
..... % [1]

(ii) Identify the country which has an equal percentage of the working population employed in the primary and secondary sectors.  
..... [1]

(iii) Give **two** reasons for the difference in employment structure between countries of different levels of economic development. Develop your ideas.

1 .....

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2 .....

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..... [4]

(b) Describe features of the quaternary sector of industry. Give **one** example of an industry in the quaternary sector.

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..... [3]

(c) Study **Fig. 14**, a diagram showing the greenhouse effect which is a cause of global warming.

(i) Use **Fig. 14** to explain how the greenhouse effect is caused.

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..... [4]

(ii) Explain **two** reasons why the contribution of MEDCs to global warming is greater than that of LEDCs.

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..... [4]

**(d) CASE STUDY – a multi-national company**

Name a multi-national company and **one** country where it operates.

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Explain how the multi-national company affects local people and the economy of that country. Include at least **three** developed ideas.

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[Total marks: 25]

**END OF QUESTION 4**

**ADDITIONAL ANSWER SPACE**

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

This block contains a large area of lined paper for writing answers. It features a vertical margin line on the left side and horizontal dotted lines for writing. The lines are evenly spaced and extend across the width of the page.

A large area of the page is reserved for writing, featuring a vertical solid line on the left side and horizontal dotted lines extending across the page.



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