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General Certificate of Secondary Education  
June 2006



**GEOGRAPHY (SPECIFICATION C)**  
**Higher Tier**  
**Paper 2**

**3033/2H**  
**H**

Monday 12 June 2006 1.30 pm to 3.15 pm

**For this paper you must have:**

- the Ordnance Survey map extract (enclosed)

You may use a calculator.

For Examiner's Use			
Number	Mark	Number	Mark
1		3	
2			
Total (Column 1)			
Total (Column 2)			
TOTAL			
Examiner's Initials			

Time allowed: 1 hour 45 minutes

**Instructions**

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **all** questions in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want marked.

**Information**

- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.
- You are reminded of the need for good English and clear presentation in your answers. All questions should be answered in continuous prose. Quality of Written Communication will be assessed in all answers.
- LEDC is a Less Economically Developed Country.
- MEDC is a More Economically Developed Country.

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Answer **all** questions.

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**Total for this question: 20 marks**

**1 MANAGING CHANGE IN THE HUMAN ENVIRONMENT**

- (a) Study **Figure 1**, which shows the age structure of the population of Germany (an MEDC) in 2000 and 2025 (estimated).

**Figure 1**

**Figure 1**, Population Pyramids, has not been reproduced here due to third-party copyright constraints.

(i) Complete **Figure 1** using the information below.

Female population aged 35 to 39 years in 2000 = 3.5 million.

(1 mark)

(ii) Give **two** of the changes to Germany's population structure that are likely to occur between 2000 and 2025.

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(2 marks)

(b) Germany is an example of a country with an ageing population. Describe the problems this may cause.

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(4 marks)

**Question 1 continues on the next page**

(c) Study **Figure 2**, the Ordnance Survey map extract.

- (i) Give the six-figure grid reference for Chinley railway station, in the south-west part of the map.

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*(1 mark)*

- (ii) What is the straight line distance, to the nearest kilometre, from Chinley railway station to Edale railway station (1285)?

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*(1 mark)*

- (iii) What is the direction from Chinley railway station to Edale railway station (1285)?

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*(1 mark)*

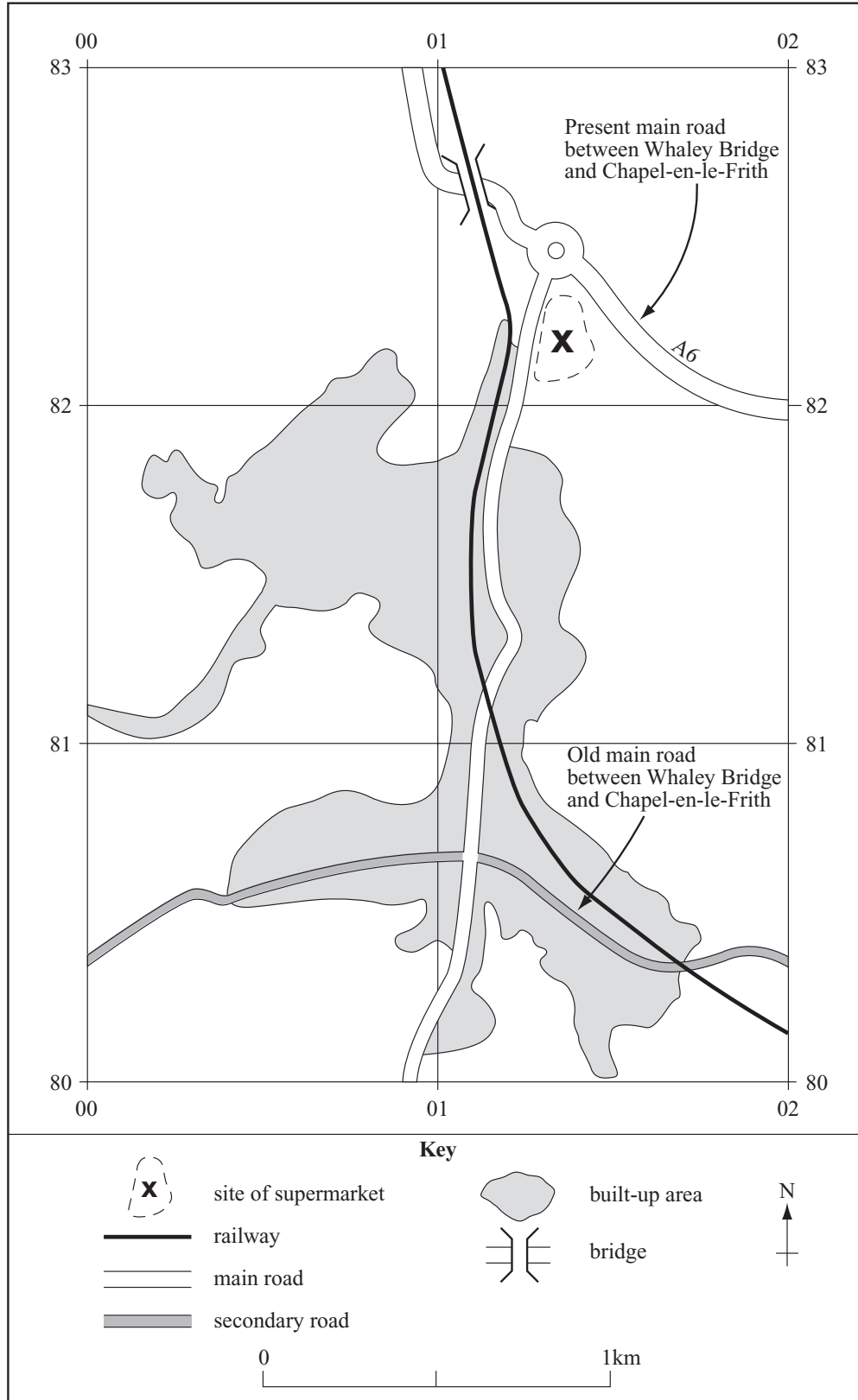
- (d) (i) Using **Figure 2**, the Ordnance Survey map extract, mark and label the following features on the grid in **Figure 3**.

Toddbrook reservoir

The camping/caravan site

Whaley Bridge station

**Figure 3**



(3 marks)

- (ii) Give **one** reason why a road such as the A6, which links Whaley Bridge and Chapel-en-le-Frith, may help to relieve traffic congestion in these town centres.

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(1 mark)

- (iii) A new, large, supermarket has been built at grid reference 013822 on **Figure 2**, the Ordnance Survey map extract. This is also marked as site **X** on **Figure 3**. Explain why this is a good location for a development such as this.

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(6 marks)

**Total for this question: 30 marks**

**2 MANAGING THE PHYSICAL ENVIRONMENT**

(a) Study **Figure 4**, a table that shows food consumption.

**Figure 4**

	<b>1965</b>	<b>1985</b>	<b>2000</b>	<b>2015 (estimated)</b>
<b>World average</b>	2 358	2 655	2 803	2 940
<b>MEDCs</b>	2 947	3 206	3 380	3 440
<b>LEDCs</b>	2 054	2 450	2 681	2 850

**Food consumption** (kcal per person/per day)

Describe the changes in food consumption shown in **Figure 4**.

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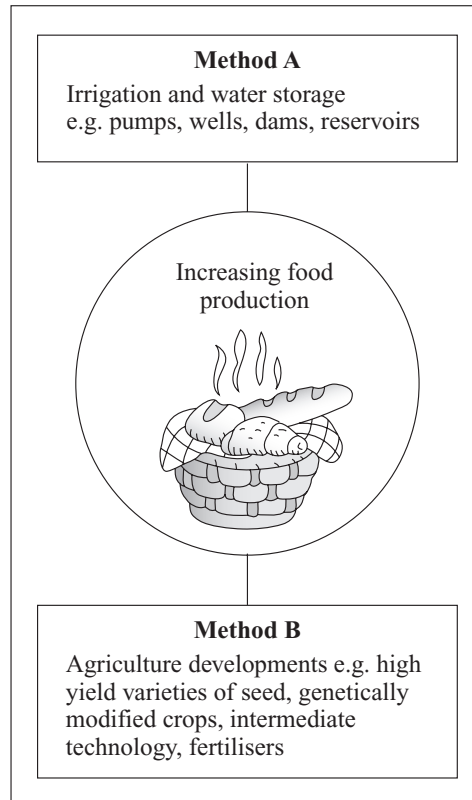
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*(3 marks)*

**Question 2 continues on the next page**

(b) Study **Figure 5** which shows methods of increasing food production.

**Figure 5**



Choose **either** Method A **or** Method B. Explain how it may help to increase food production and any possible disadvantages it may have.

**CHOSEN METHOD**

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*(9 marks)*

**Question 2 continues on the next page**

(c) Study **Figure 6**, accounts of the weather in Wales in January and February 2004.

**Figure 6**

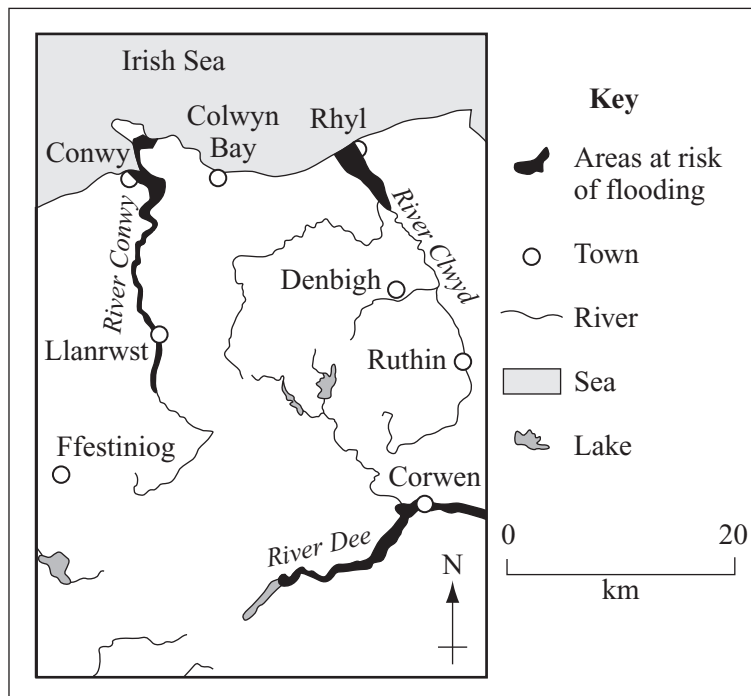
**26th to 28th January** After a rather cold, cloudy day on the 26th a cold air stream passed over Wales. This produced a sudden drop in temperature and a period of heavy snow, which, in many places, settled quickly e.g. in North Wales the snow was 15 cm deep in places.

**Met Office warns of gales and heavy rain**

On 2nd February 2004, there was a rise in temperature across Wales.

The Environment Agency Wales issued a total of 25 Flood Warnings across Wales as rivers rose.

In some places 170 mm of rain fell in 24 hours.



Explain why flooding occurred in North Wales in February 2004.

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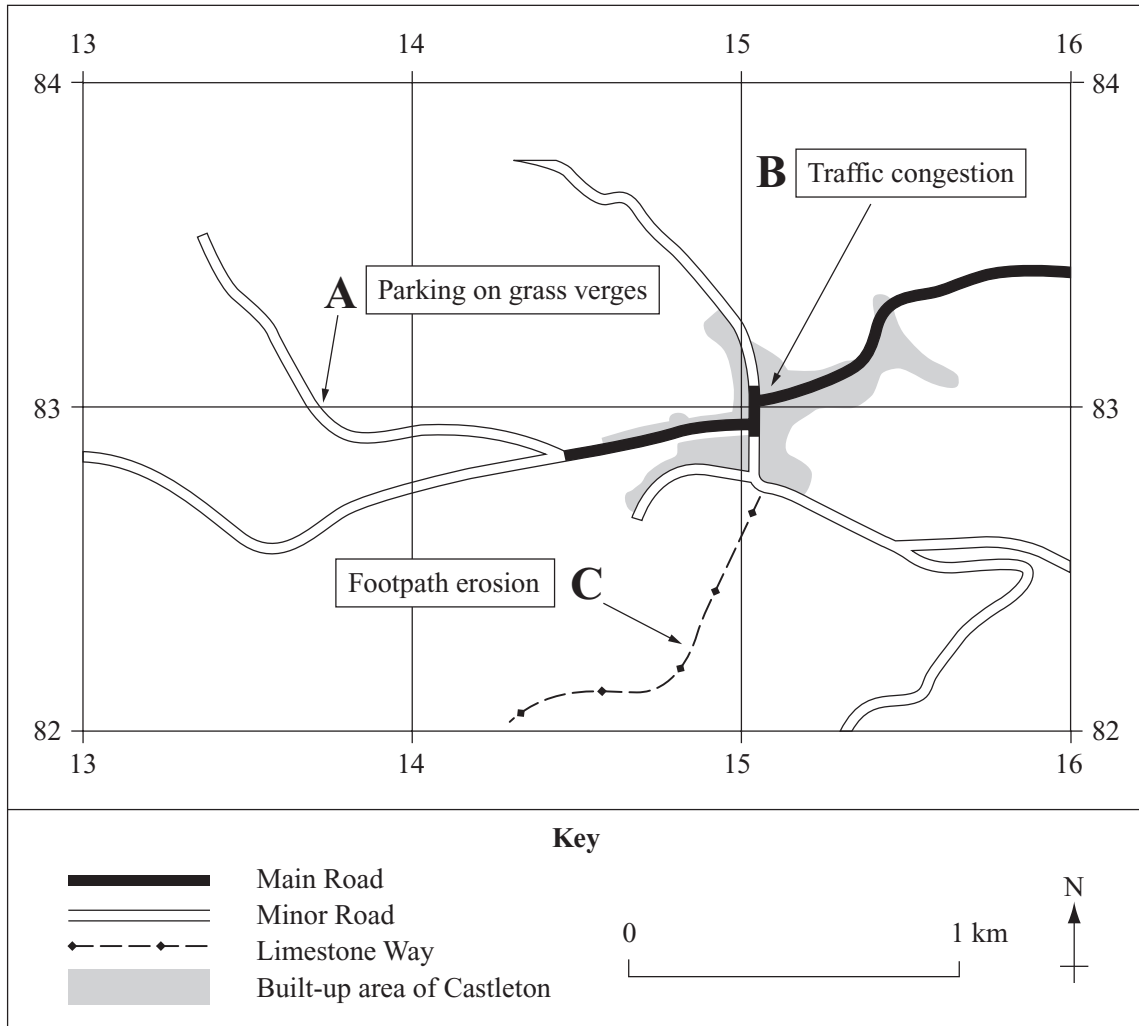
*(6 marks)*

**Question 2 continues on the next page**

(d) Study **Figure 2**, the Ordnance Survey map extract.

Castleton (1582) is a tourist honeypot. Problems occur at points **A**, **B** and **C** on the grid in **Figure 7**.

**Figure 7**



Choose **one** of these problems and suggest why it occurs at that place.

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(2 marks)

- (e) Using evidence from the area of the Ordnance Survey map extract, east of grid line 09, suggest how the **natural** features of the area might encourage tourist activity.

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(4 marks)

- (f) For a **natural** feature that you have studied, explain how it was formed. You may use a diagram(s).

Natural feature: .....

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(6 marks)

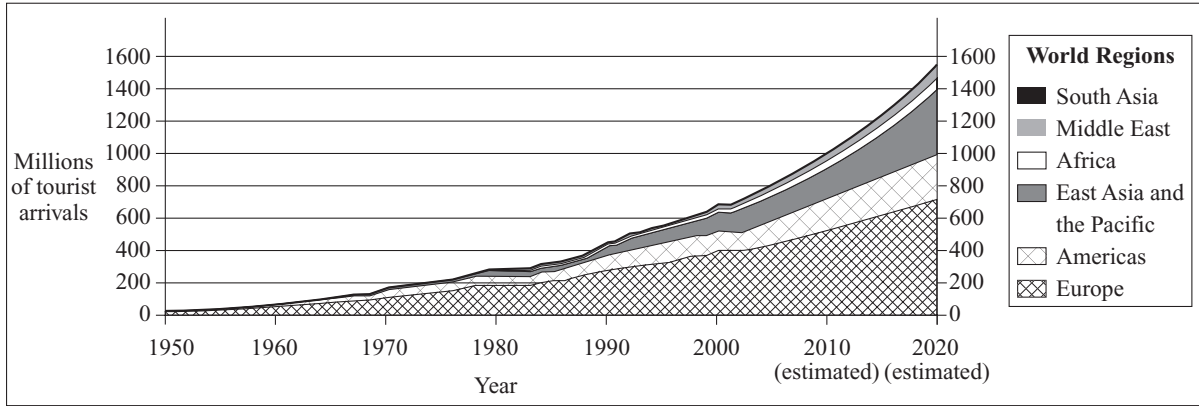
Turn over for the next question

Total for this question: 30 marks

3 MANAGING ECONOMIC DEVELOPMENT

- (a) Study **Figure 8** which shows the number of tourists arriving in different regions of the world.

Figure 8



- (i) Compare the changes in tourist arrivals to Europe between 1950 and 2020 (estimated) with those in other world regions.

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(3 marks)

- (ii) Suggest reasons for the changes in tourist arrivals between 1950 and 2020 (estimated).

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(6 marks)

(iii) Describe the advantages that tourism brings to LEDCs.

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(6 marks)

**Question 3 continues on the next page**

- (b) Study **Figure 9** which shows estimated oil reserves in some countries of the world.

**Figure 9**

**Figure 9**, estimated oil reserves bar chart, has not been reproduced here due to third-party copyright constraints.

- (i) How many countries have estimated oil reserves of less than 100 billion barrels?

.....  
(1 mark)

- (ii) Which of the three regions of the world shown below holds the greatest estimated oil reserves? Tick the correct box.

Africa

Middle East

Europe

(1 mark)



(iii) Describe the environmental damage that may be caused by the burning of fossil fuels such as oil.

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*(4 marks)*

**Question 3 continues on the next page**

(c) Study **Figure 10**, the impact of the oil on the economy of Venezuela (an LEDC).

**Figure 10**

**Figure 10** has not been reproduced here due to third-party copyright constraints.

What problems are suggested by **Figure 10** for the economy of an LEDC such as Venezuela?

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*(3 marks)*

(d) Explain how the use of non-renewable natural resources, such as oil, may be reduced.

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(6 marks)

<b>30</b>

**END OF QUESTIONS**

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Question 2, Figure 6, Copyright © Environment Agency

Question 3, Figure 8, World Tourism Organisation

Question 3, Figure 10, Source msnbc

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