

Surname					Other Names				
Centre Number					Candidate Number				
Candidate Signature									

For Examiner's Use

General Certificate of Secondary Education
June 2007

GEOGRAPHY (SPECIFICATION C)
Paper 2
Higher Tier

3033/2H
H



Monday 11 June 2007 1.30 pm to 3.15 pm

For this paper you must have:

- the Ordnance Survey map extract (enclosed)
- the colour insert (enclosed).

You may use a calculator.

Time allowed: 1 hour 45 minutes

Instructions

- Use 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.
- Answer the questions in the spaces provided.
- Use your case studies to support your answers where appropriate.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

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

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

There are no questions printed on this page

Answer **all** questions.

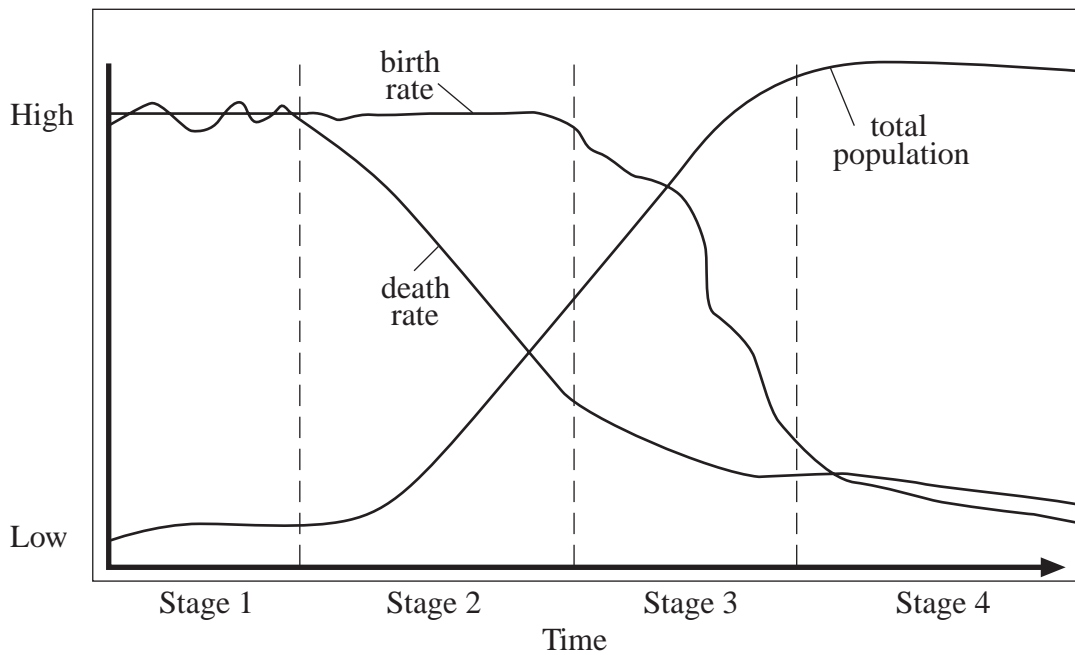
Use your case studies to support your answers where appropriate.

Total for this question: 30 marks

1 MANAGING CHANGE IN THE HUMAN ENVIRONMENT

(a) Study **Figure 1** which shows how population may change over time.

Figure 1



Compare the birth rate, death rate and total population in Stage 2 with those in Stage 4.

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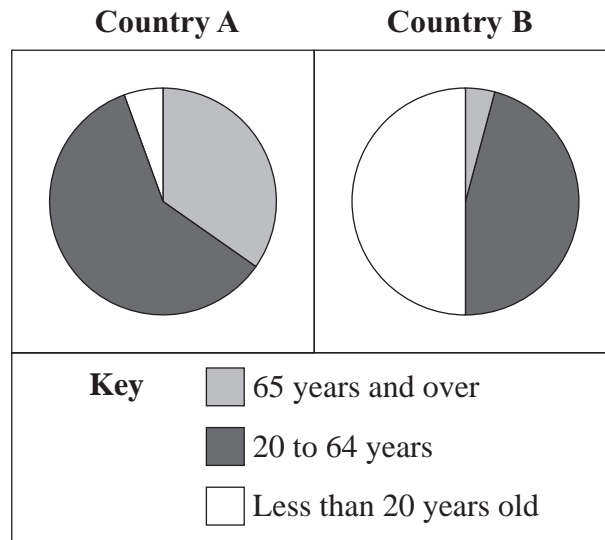
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(3 marks)

Question 1 continues on the next page

(b) Study **Figure 2** which shows the age structure of the population for two countries.

Figure 2



(i) Choose **either Country A or Country B**. Describe problems that the age structure shown in **Figure 2** may cause for that country.

Chosen country

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(4 marks)

- (ii) In the future, the percentage of people in **Country B** aged less than 20 years old should decrease. Suggest why this may happen.

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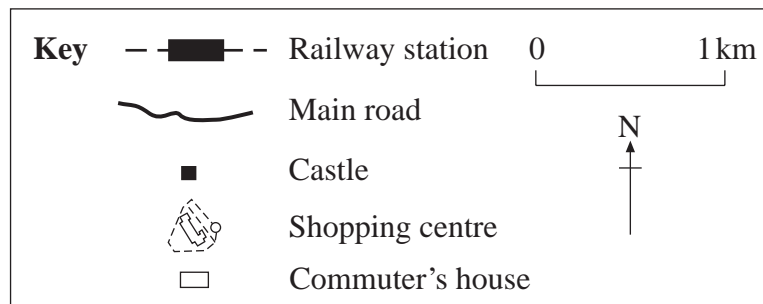
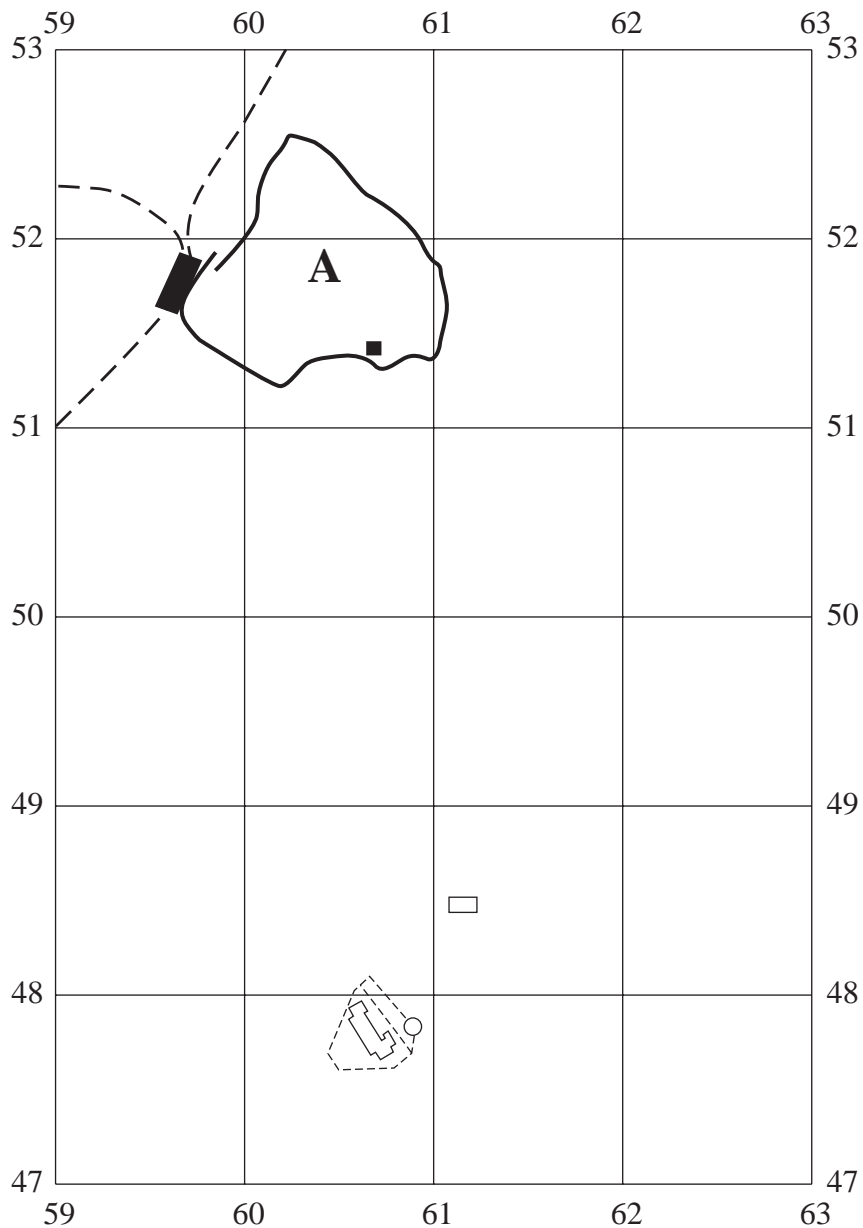
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(3 marks)

Question 1 continues on the next page

- (c) Study **Figure 3**, the Ordnance Survey map extract enclosed, and **Figure 4**, the grid below.

Figure 4



(i) A commuter travels by car from her home near Fulford (612485) to her work at the castle (607514). What is the distance of this journey to the nearest kilometre?

.....
(1 mark)

(ii) Mark on the grid, **Figure 4**, the likely route taken by the commuter. (2 marks)

(iii) Mark with an X on **Figure 4** a place where the commuter may meet traffic congestion. Suggest why traffic congestion occurs at that point.

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(2 marks)

(d) Describe ways in which traffic congestion in and around the central areas of cities in MEDCs may be reduced.

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(4 marks)

Question 1 continues on the next page

(9 marks)

30

Turn over for the next question

Total for this question: 30 marks

2 MANAGING THE PHYSICAL ENVIRONMENT

- (a) Study **Figure 5** on the insert, which shows the path taken by a tropical storm, (Hurricane Ivan), in September 2004.

Complete the following table to show the direction and strength of Hurricane Ivan.

Date	Direction of movement	Strength
September 4th		
September 10th		

(4 marks)

- (b) Explain how a tropical storm forms. You may use a diagram.

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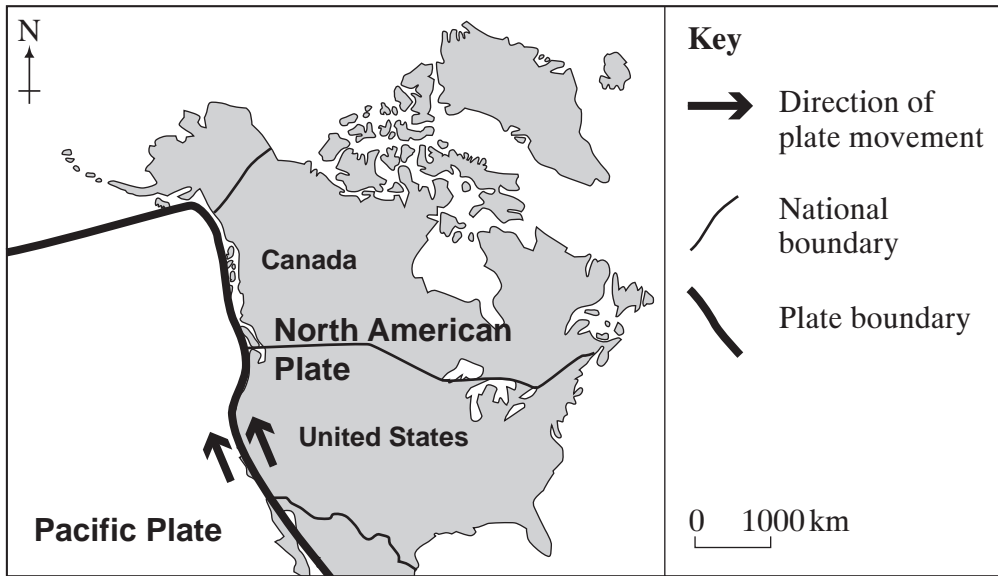
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(4 marks)

(c) Study **Figure 6** which shows North America.

Figure 6



With the help of **Figure 6**, suggest why earthquakes occur in the United States.

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(4 marks)

Question 2 continues on the next page

(d) Using examples from an area that you have studied, describe the damaging effects of an earthquake.

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(6 marks)

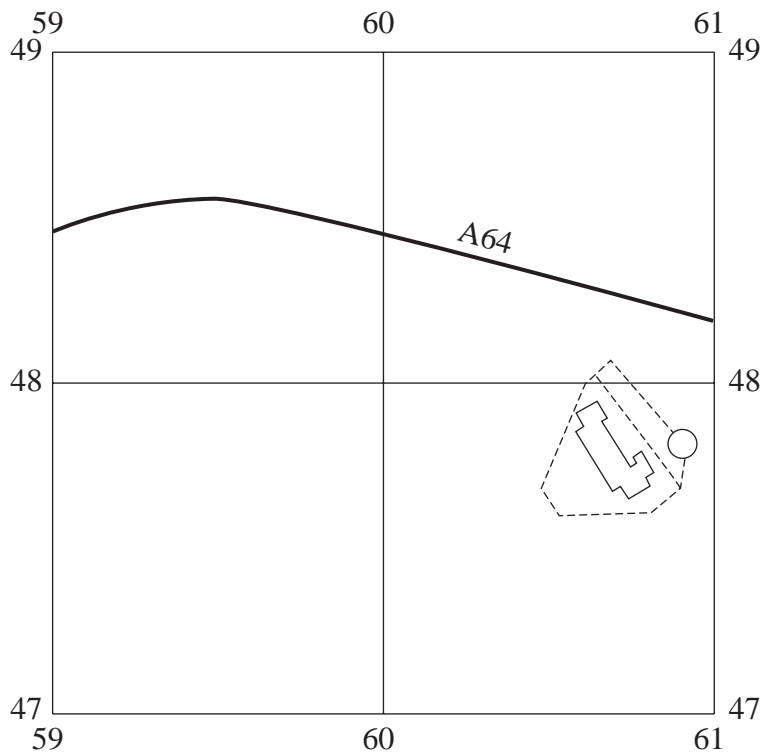
(e) Study **Figure 3**, the Ordnance Survey map extract.

(i) Name the tourist attraction found at 594518.

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(1 mark)

(ii) From the area of the map shown in **Figure 7** below, find **two** features on **Figure 3** which would attract tourists. Mark and label your chosen features on the grid (**Figure 7**).

Figure 7



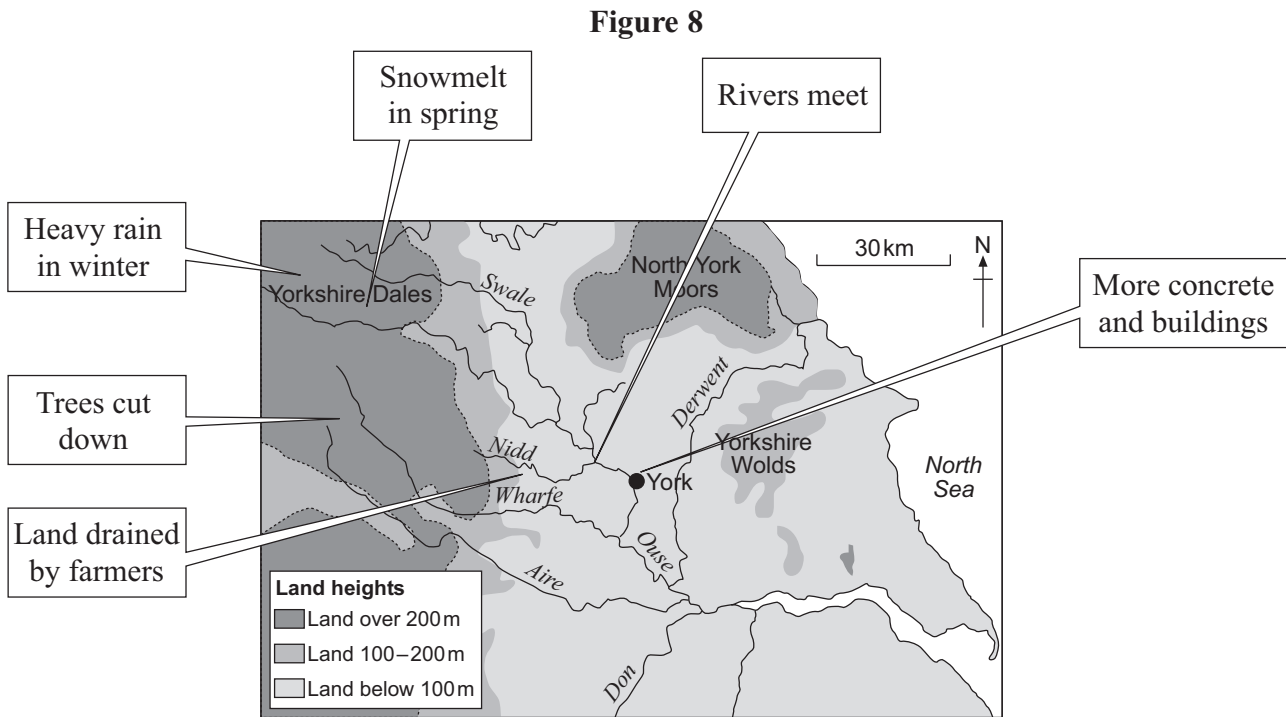
(2 marks)

(iii) Give **one** piece of evidence from the map which suggests that the river in grid square 5852 is at risk of flooding.

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(1 mark)

Question 2 continues on the next page

(f) Study **Figure 8** which shows some causes of flooding around York.



(i) From **Figure 8**, choose **one** natural and **one** human cause of flooding around York. For each, explain how it leads to flooding.

Natural cause

How it leads to flooding

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Human cause

How it leads to flooding

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(4 marks)

(ii) Explain how the risk of river flooding may be reduced.

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(4 marks)

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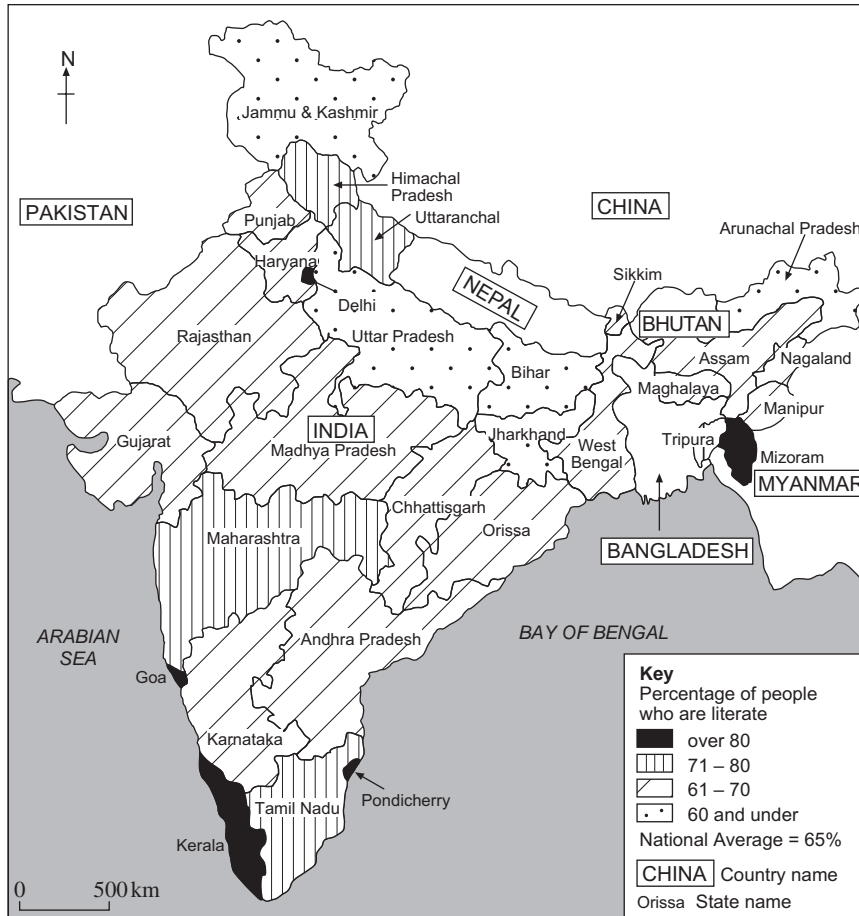
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Total for this question: 20 marks

3 MANAGING ECONOMIC DEVELOPMENT

(a) Study **Figure 9** which shows literacy levels in India (2001).

Figure 9



Describe the location of the Indian states with low levels of literacy.

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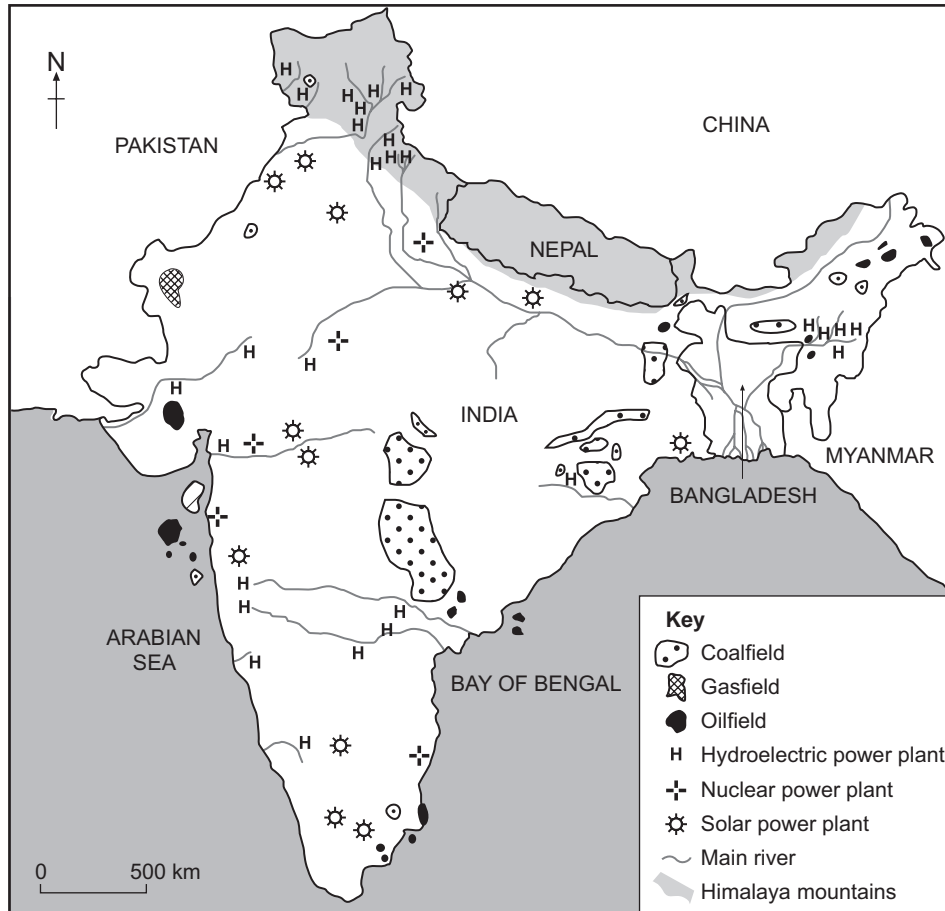
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(2 marks)

(c) Study **Figure 11** which shows some energy resources in India.

Figure 11



(i) Give **one** fact about the location of the hydroelectric power plants shown in **Figure 11**.

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(1 mark)

(ii) How does the use of non-renewable energy resources cause environmental problems?

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(4 marks)

Question 3 continues on the next page

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June 2007



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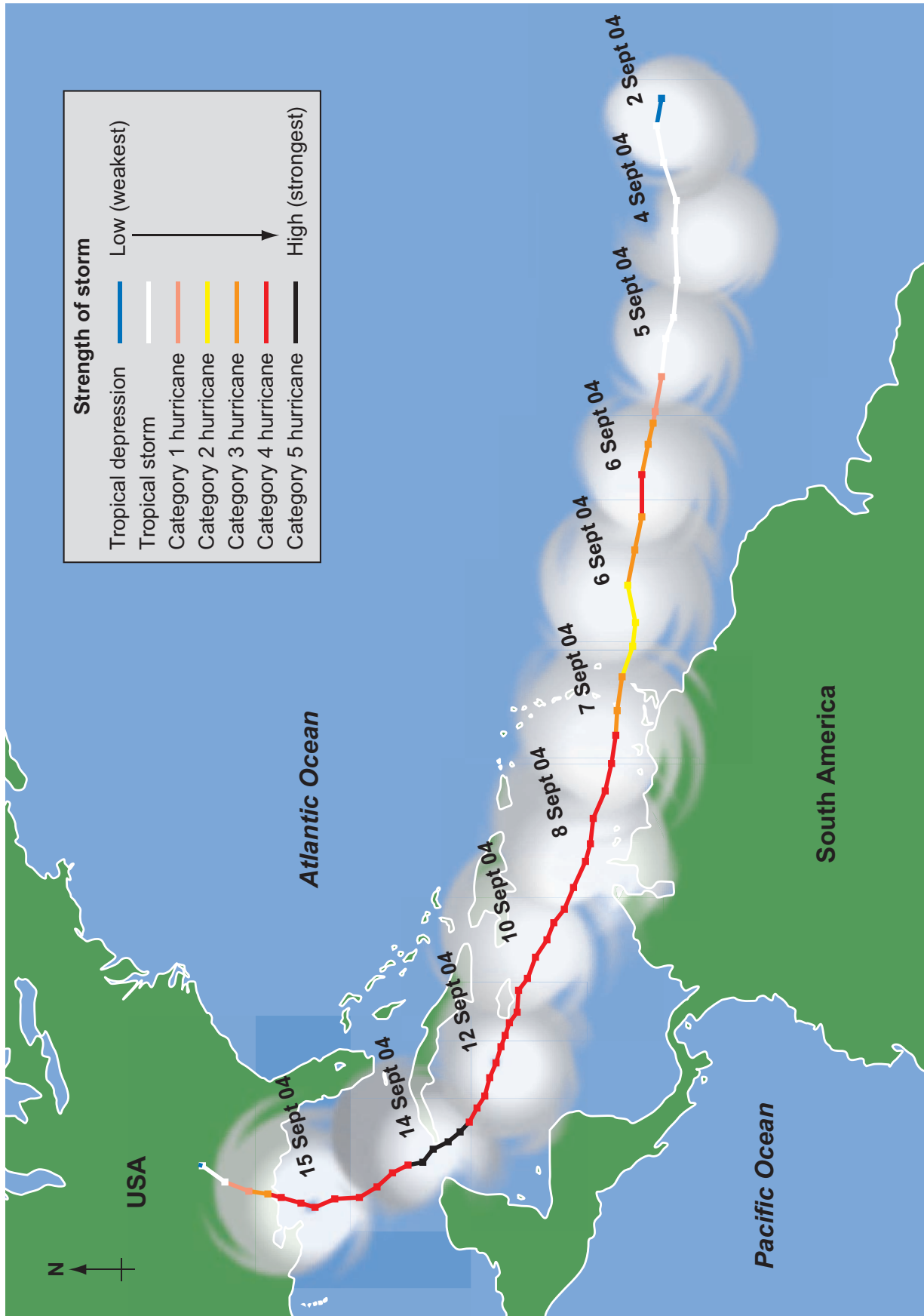
GEOGRAPHY (SPECIFICATION C)
Paper 2
Foundation and Higher Tiers

3033/2F
3033/2H

Insert

For use with **Question 2**

Figure 5



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Question 2 Figure 5: University of Wisconsin-Madison, Cooperative Institute for Meteorological Satellite Studies, Tropical Cyclones Team.

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