

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
Foundation Tier

3033/2F
F



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.

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

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.

Answer **all** questions.

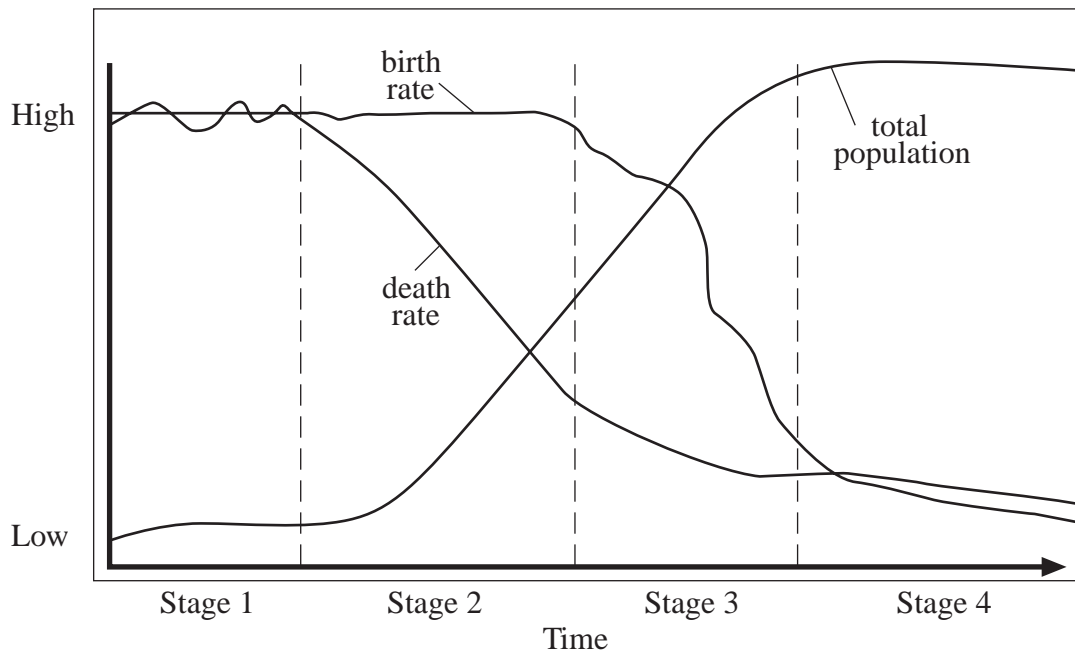
Use your case studies to support your answers where appropriate.

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



- (i) Which stages (1 to 4) are described below?

Description	Stage
Birth rate and death rate are both low	
Birth rate is high and death rate is falling	

(2 marks)

- (ii) In which stage (1 to 4) did the total population start to increase rapidly?

.....
(1 mark)

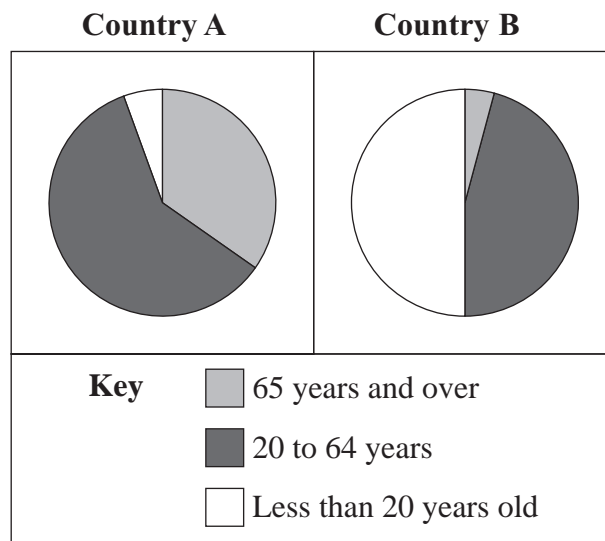
- (iii) In which stage (1 to 4) would a country be described as an MEDC?

.....
(1 mark)

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) In **Country A**, what percentage of its population is aged 65 years and over?
Circle the correct answer.

25% 35% 55%

(1 mark)

- (ii) In **Country B**, what percentage of its population is aged less than 20 years old?

.....
(1 mark)

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

Chosen country

1.
.....

2.
.....

(2 marks)

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

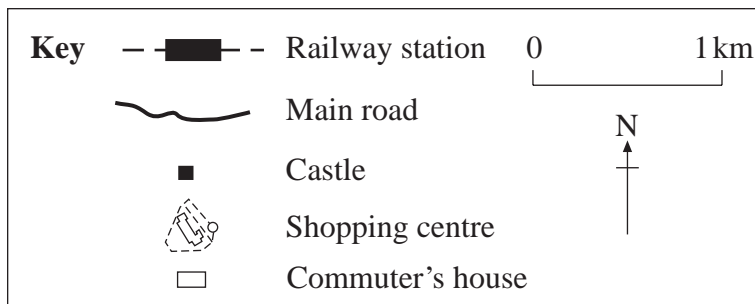
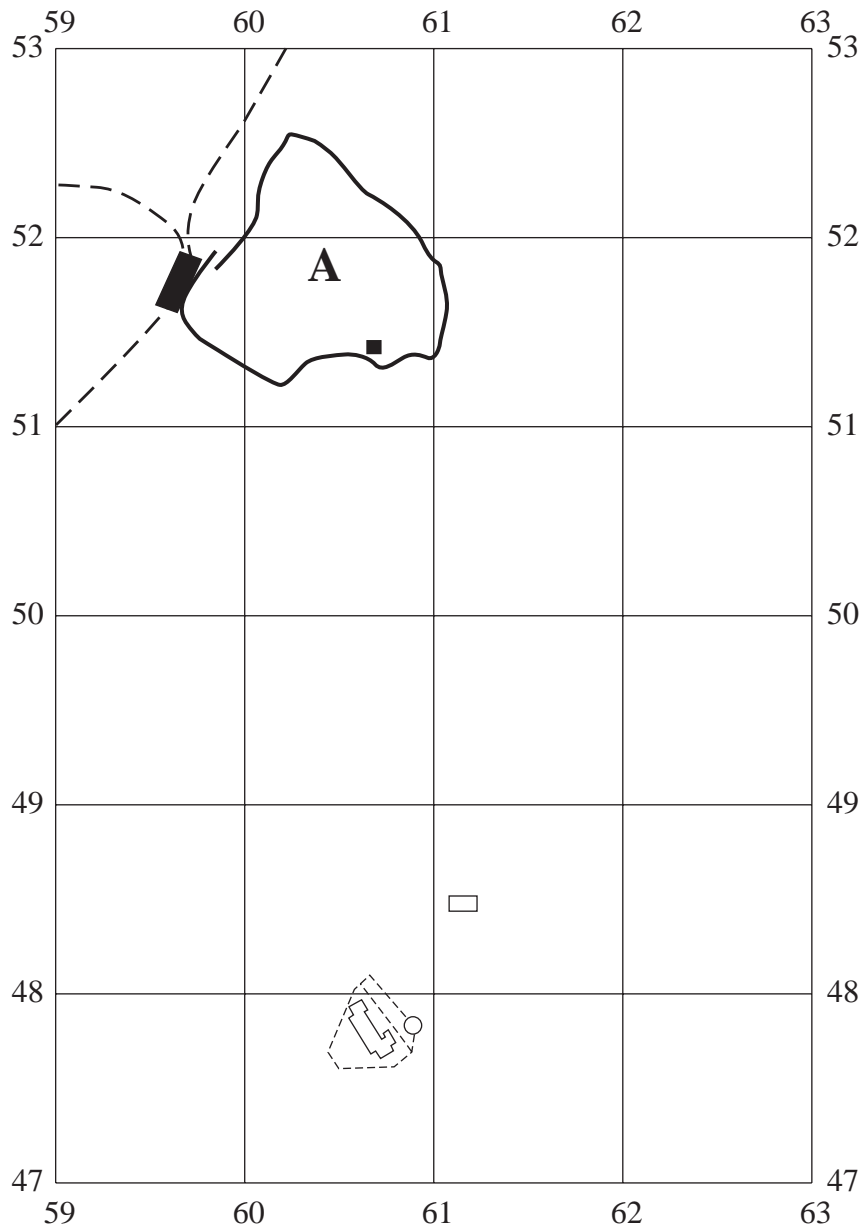
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(3 marks)

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) Give **two** pieces of evidence from the Ordnance Survey map extract to show that area **A** in **Figure 4** is part of the CBD (Central Business District) of York.

1.

2.

(2 marks)

(ii) A commuter travels by car from her home near Fulford (612485) to her work at the castle (607514). 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.

.....

.....

(2 marks)

(iv) What is the distance of this journey to the nearest kilometre?
Circle the correct answer.

3 km 13 km 30 km

(1 mark)

Question 1 continues on the next page

(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)

(e) Study **Figure 3**, the Ordnance Survey map extract, and **Figure 4**.

A large shopping centre has been built at 607478 in the rural–urban fringe of York. This is also shown in **Figure 4**. Which **two** of the sentences below are **true** statements about the location of the shopping centre? Tick the **two** correct boxes.

- The shopping centre is south of the CBD of York.
- The shopping centre is 10km from the centre of York.
- The shopping centre is to the west of the River Ouse.
- The shopping centre is close to a road junction on the A64.

(2 marks)

(f) Describe the possible problems which building any large new development in the rural–urban fringe may cause for people and for the environment.

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(6 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.

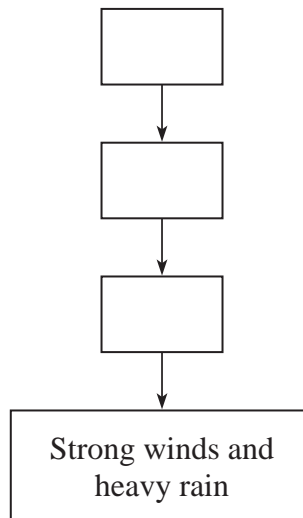
Complete the sentences below. Circle the correct answer in each set of brackets.

- (i) Hurricane Ivan developed over the [**Pacific** / **Atlantic** / **Indian**] Ocean. *(1 mark)*
- (ii) It travelled [**east** / **west** / **north**] before striking the northern tip of South America and the islands of the Caribbean. *(1 mark)*
- (iii) It reached its maximum strength on September [**2nd** / **14th** / **15th**]. *(1 mark)*
- (iv) As it moved over the southern states of the USA, its power [**decreased** / **increased** / **stayed the same**]. *(1 mark)*
- (b) (i) In the flow diagram below, add the letters **A**, **B** and **C** to the boxes in the correct order to show how a tropical storm forms.

A Warm ocean heats the air above

B Air cools and clouds form

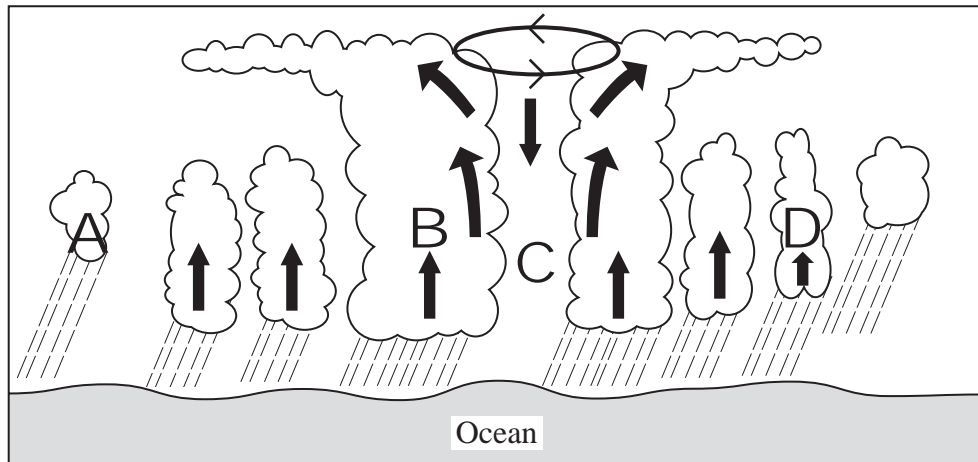
C Warm moist air rises



(2 marks)

- (ii) Study **Figure 6**, a cross-section through a tropical storm (Hurricane Ivan).

Figure 6



Which of the letters (A to D) in **Figure 6** show the following features of a hurricane?

The eye

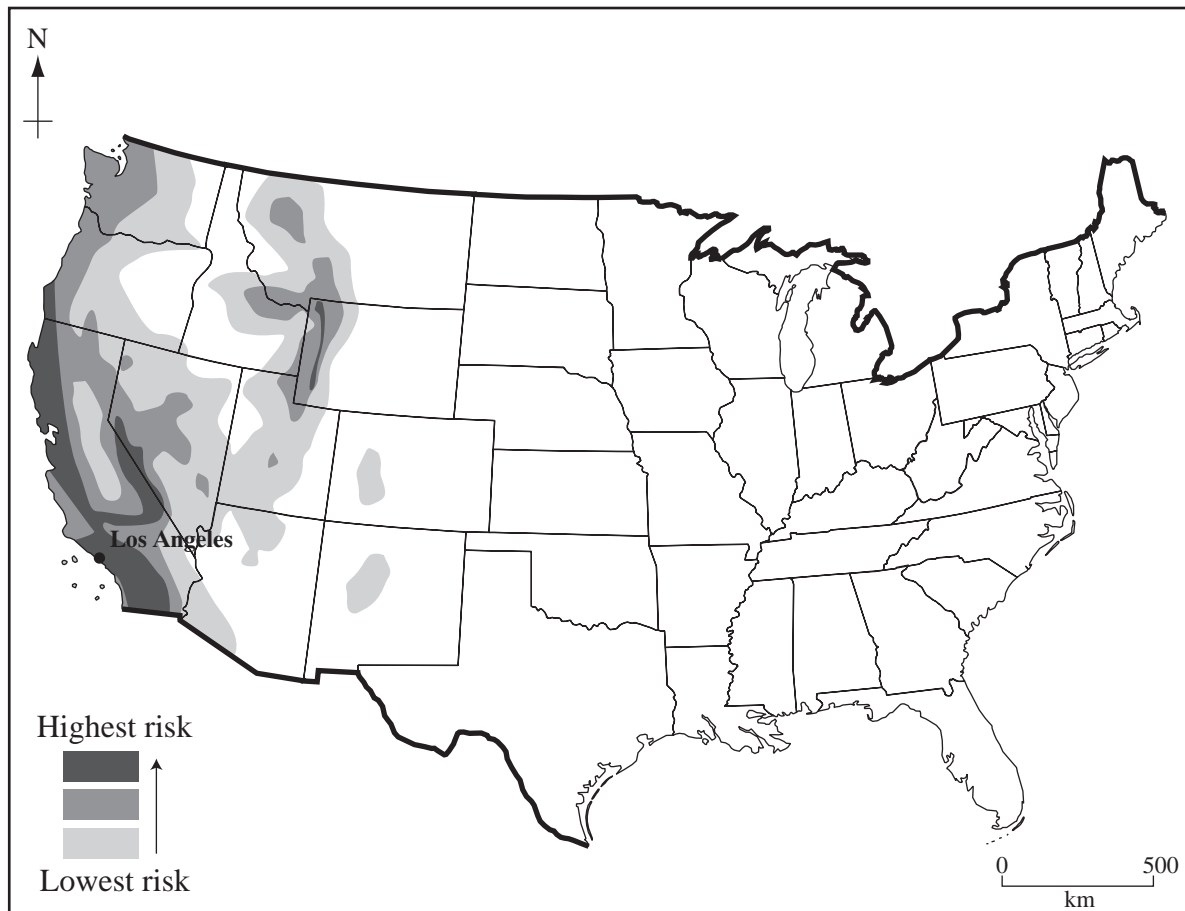
The strongest winds

(2 marks)

Question 2 continues on the next page

(c) Study **Figure 7** which shows the risk of earthquakes in the United States.

Figure 7



(i) Complete the sentence below. Circle the correct answer in the brackets.

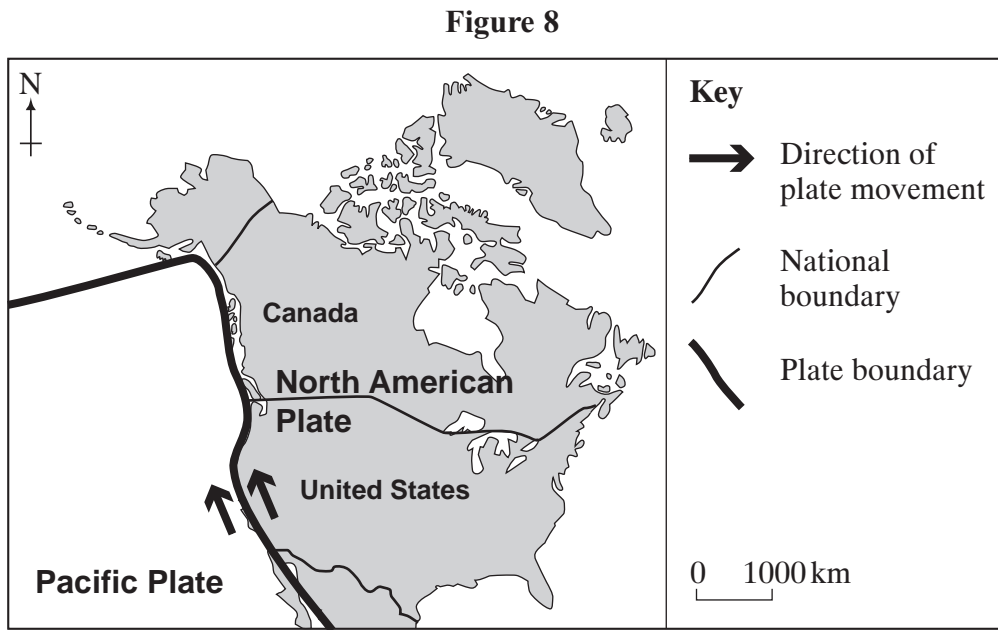
The highest risk of earthquakes is in the [**west** / east / north] of the United States.

(1 mark)

(ii) What happens to the risk of earthquakes as you travel east from Los Angeles?

.....
(1 mark)

(d) Study **Figure 8** which shows North America.



With the help of **Figure 8**, suggest why earthquakes occur in the United States.

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(2 marks)

(e) Describe the effects of an earthquake.

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(4 marks)

Question 2 continues on the next page

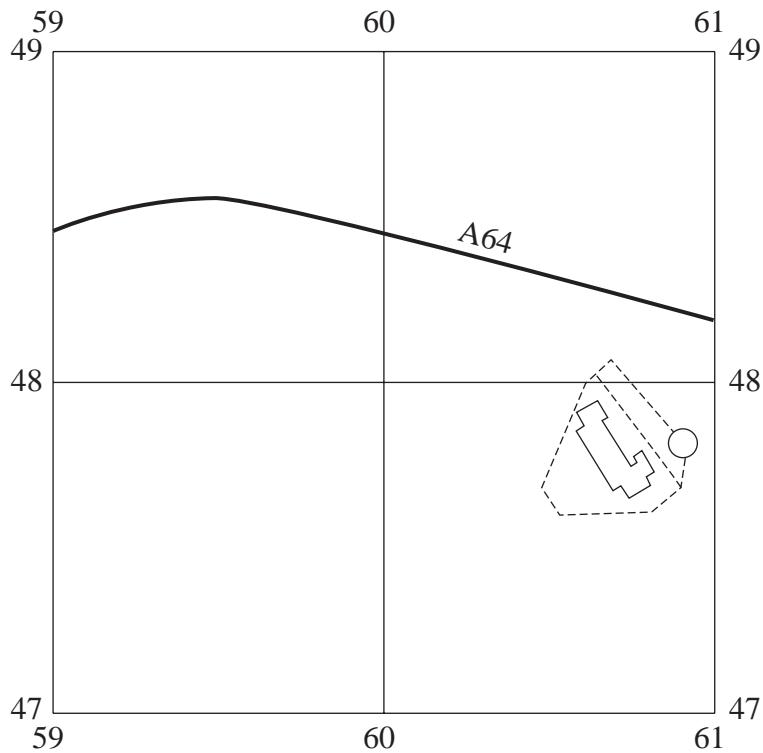
(f) Study **Figure 3**, the Ordnance Survey map extract.

(i) Name the tourist attraction found at 594518.

.....
(1 mark)

(ii) From the area of the map shown in **Figure 9** below, find **two** features on **Figure 3** which would attract tourists. Mark and label your chosen features on the grid (**Figure 9**).

Figure 9



(2 marks)

(iii) Name **two** rivers that meet in York.

1.

2.

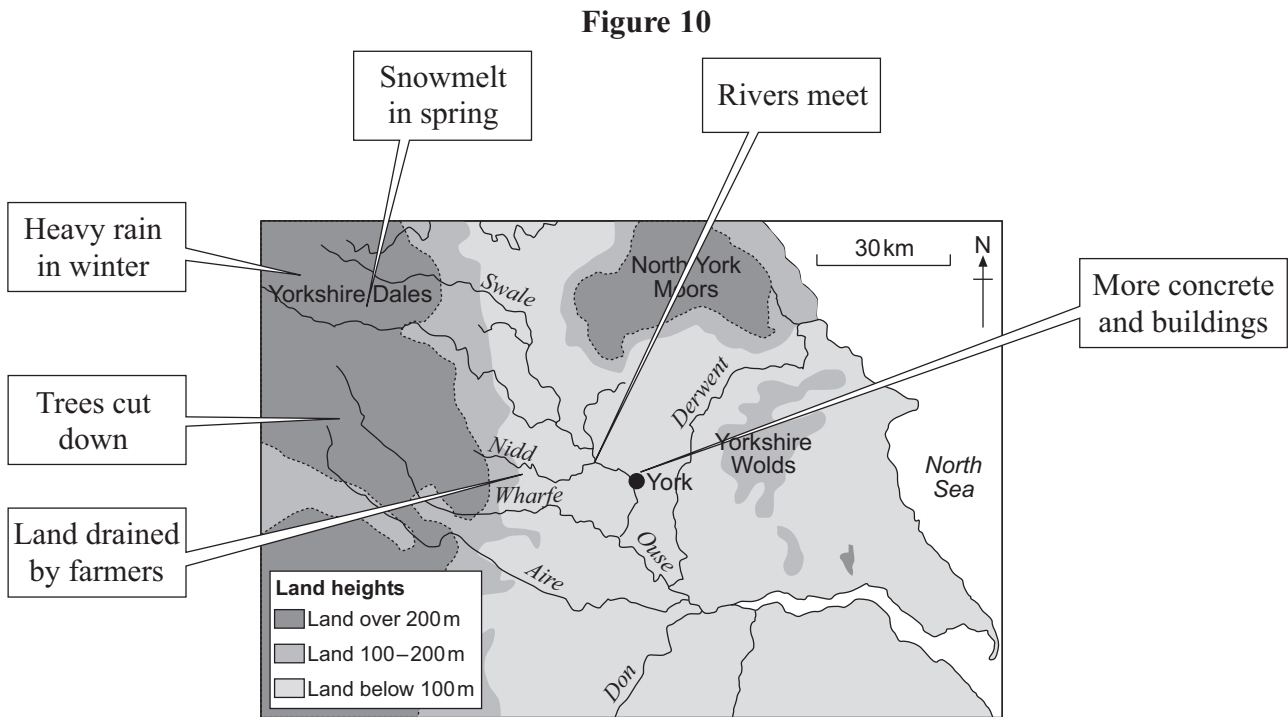
(2 marks)

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

.....
.....

(1 mark)

(g) Study **Figure 10** which shows some causes of flooding around York.



(i) From **Figure 10**, 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

.....

.....

.....

.....

Human cause

How it leads to flooding

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(4 marks)

Question 2 continues on the next page

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

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(4 marks)

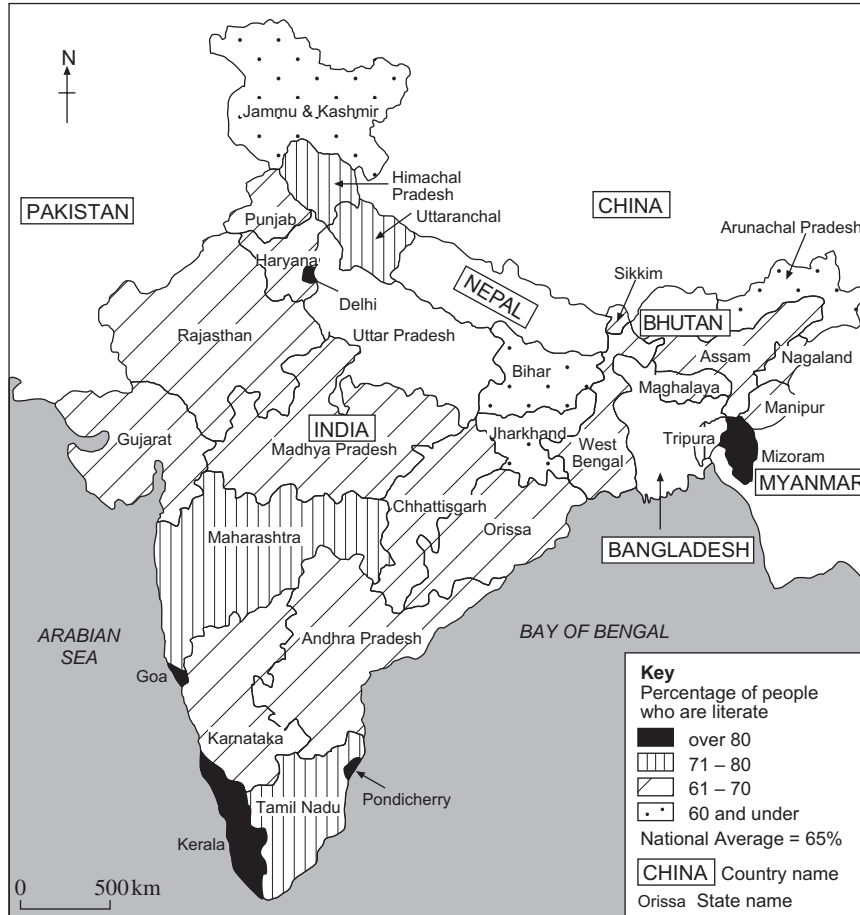
30

Total for this question: 20 marks

3 MANAGING ECONOMIC DEVELOPMENT

(a) Study **Figure 11** which shows literacy levels in India (2001).

Figure 11



(i) Use the following information to complete **Figure 11**.

Uttar Pradesh 57%

(1 mark)

(ii) Which **two** of the following statements about literacy levels in India are true? Tick the **two** correct boxes.

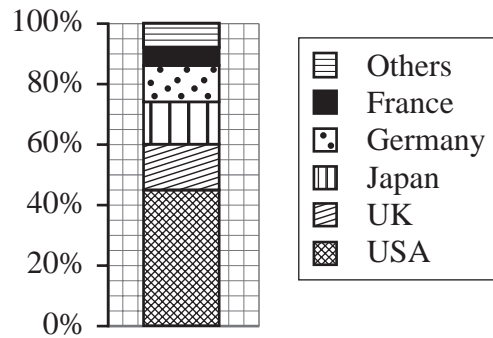
- 1. The lowest levels of literacy are in the north of India.
- 2. The state of Kerala has under 80% of its population who are literate.
- 3. The state of Tamil Nadu has a level of literacy which is below the national average.
- 4. In five Indian states, over 80% of the population are literate.

(2 marks)

Question 3 continues on the next page

- (b) Study **Figure 12** which shows the origin of the main transnational companies (TNCs) in Karnataka, a state in India.

Figure 12



- (i) What percentage of TNCs in Karnataka are from the United States?

.....
(1 mark)

- (ii) Suggest **two** advantages that a TNC might bring to an LEDC.

1.
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2.
.....
- (2 marks)

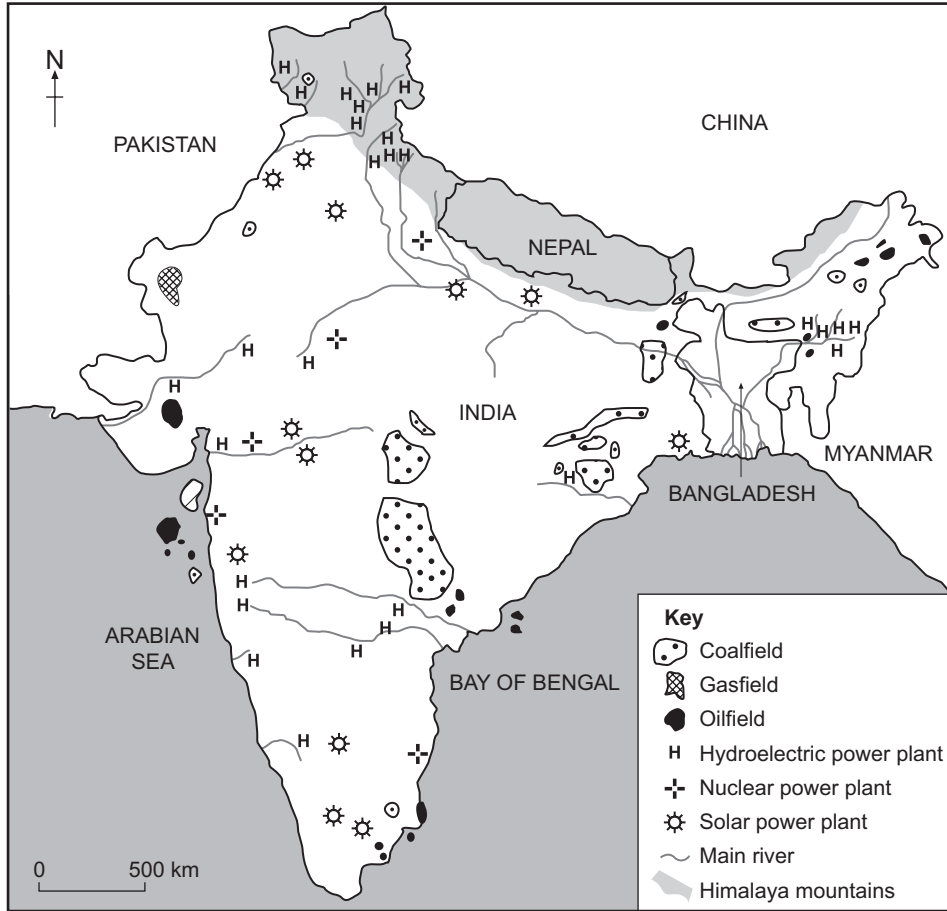
- (iii) Describe the disadvantages that a TNC might bring to people in an LEDC.

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(4 marks)

(c) Study **Figure 13** which shows some energy resources in India.

Figure 13



(i) Using **Figure 13**, complete the following table by adding **two** more energy resources.

Non-renewable energy resources	Renewable energy resources
Oil	Hydroelectric power

(2 marks)

(ii) Choose **one** of the energy resources shown in **Figure 13**. Suggest how its use may damage the natural environment.

.....

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.....

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(2 marks)

Question 3 continues on the next page

(d) Study **Figure 14** which shows part of a newspaper article about India’s oil reserves.

Quotation warning that India's oil reserves may only last until 2016. Not reproduced here due to third-party copyright constraints.

(i) Give **two** reasons why energy resources such as oil are being used up rapidly.

- 1.
.....
- 2.
.....

(2 marks)

(ii) Explain how a country could make sure that it has enough energy supplies in the future.

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(4 marks)

END OF QUESTIONS

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General Certificate of Secondary Education
June 2007



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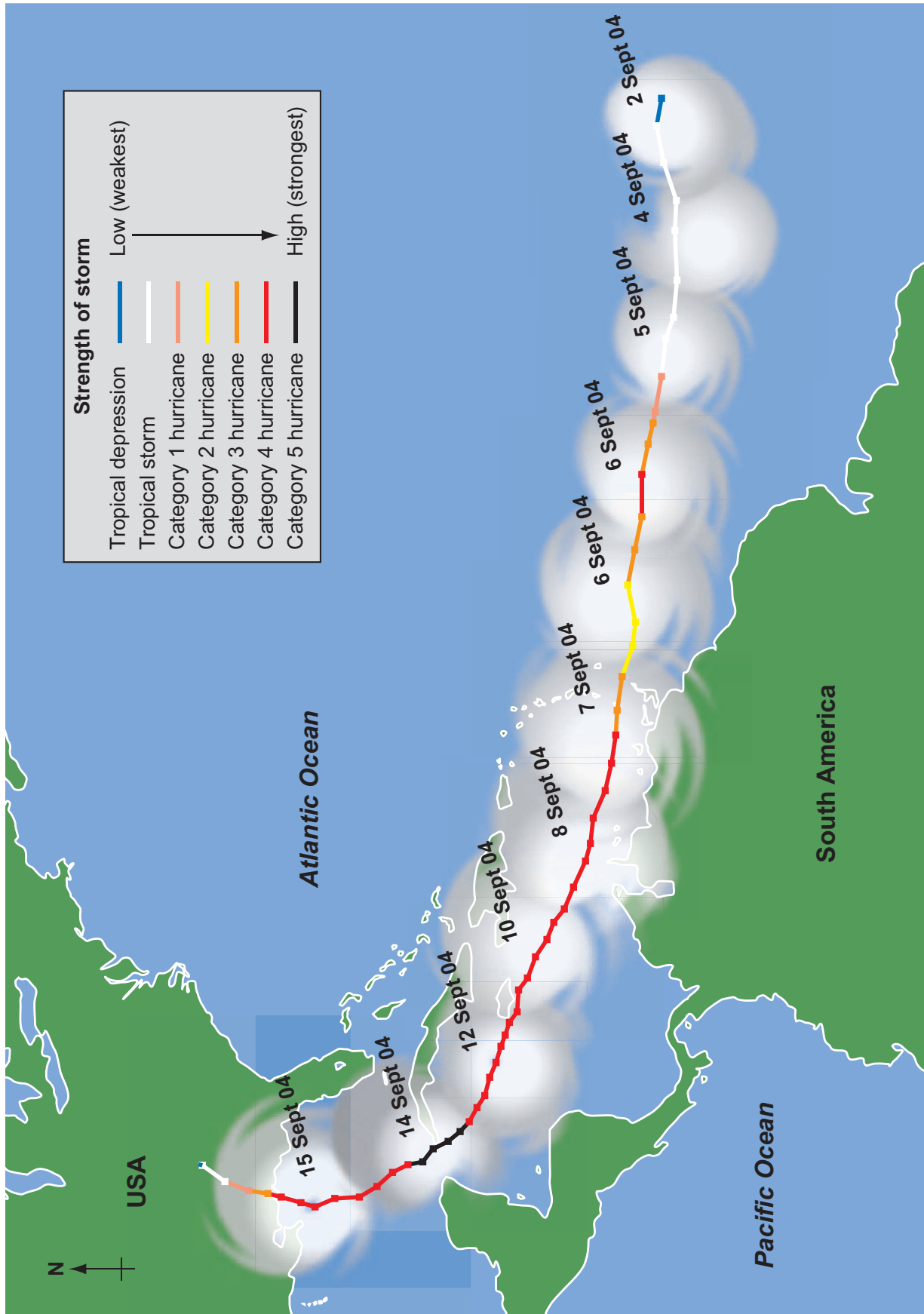
GEOGRAPHY (SPECIFICATION C)
Paper 2
Foundation and Higher Tiers

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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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