GCSE

4321/02

HUMANITIES

UNIT 1: Patterns and Places

P.M. MONDAY, 8 June 2015

1 hour plus your additional time allowance

Surname _____

Other Names _____

Centre Number _____

Candidate Number 0 _____

For Examiner's use only		
Question	Maximum Mark	Mark Awarded
Section A 1.	30	
Section B 2. or 3.	20	
Total	50	

INSTRUCTIONS TO CANDIDATES

Use black ink, black ball-point pen or your usual method.

Write your name, centre number and candidate number in the spaces provided on the front cover.

Answer Question 1 (Section A) AND EITHER Question 2 OR Question 3 (Section B).

Write your answers in the spaces provided in this booklet. Use supplementary sheets when there is insufficient room in this booklet. Write your name at the top of each supplementary sheet, indicating clearly the number of the question you answer. Put the supplementary sheets inside this booklet.
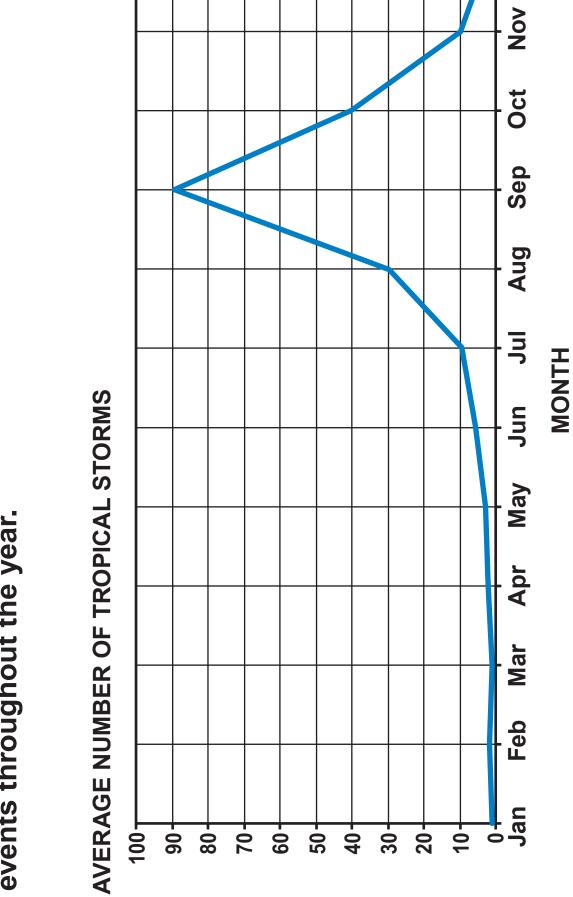
INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

You will be awarded marks for the quality of your written communication.

Your answers must be relevant and must make full use of the information given to be awarded full marks for a question.

You are reminded that you should always support your answers using your knowledge and understanding of the topic chosen.

Source A – A graph showing the average number of tropical storm events throughout the year.

AVERAGE NUMBER OF TROPICAL STORMS

MONTH

PATTERNS AND PLACES

Answer Question 1 (Section A) AND EITHER Question 2 OR Question 3 (Section B).

SECTION A

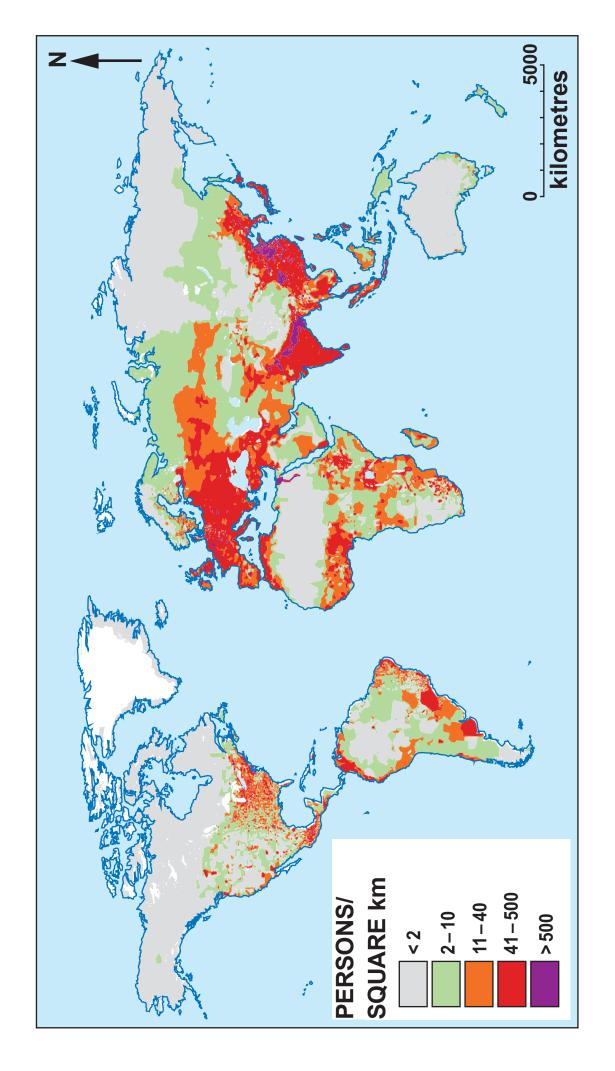**Answer all parts of this question.**

1. **This question is about the influence of the physical environment on the distribution and activities of people.**

   Study Source A opposite and answer the question that follows.

1(a) **Use Source A to describe the average number of tropical storm events throughout the year.   [2]**

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1(b)   Describe how tropical storms are formed.   [4]

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Source B – World population density map

N

PERSONS/
SQUARE km

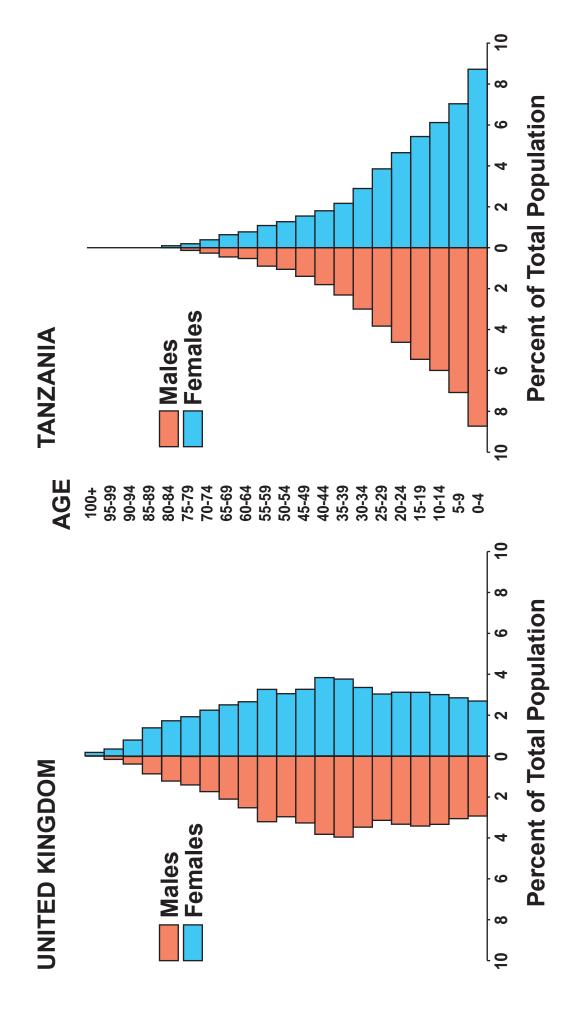|	
	< 2
	2–10
	11–40
	41–500
	> 500

0   5000
kilometres

Study Source B opposite and answer the question that follows.

1(c) **Describe the physical features that affect the distribution of world population.   [4]**

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1(d) **Explain why earthquakes are more common in some countries than others.   [6]**

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Source C – Population pyramids for the UK and Tanzania

UNITED KINGDOM

Males
Females

Percent of Total Population

TANZANIA

Males
Females

Percent of Total Population

AGE

100+
95-99
90-94
85-89
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
0-4

Study Source C opposite and answer the question that follows.

1(e)   Suggest why countries at different levels of development face different issues as a result of their population structure.
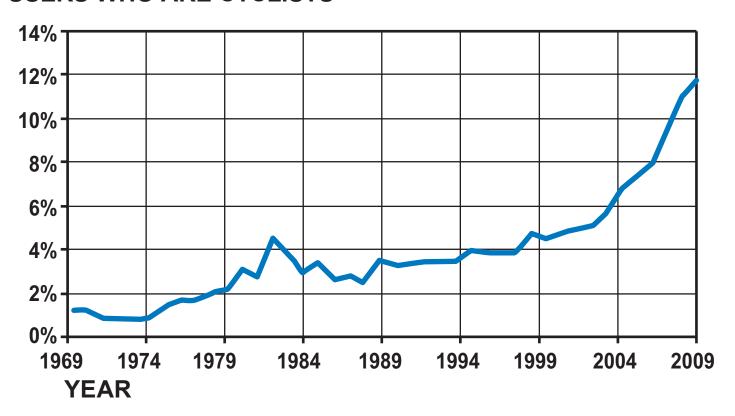Use Source C and your own knowledge to help your answer.   [6]

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1(f) **'Accurate prediction is the best way to reduce the effects of a hurricane.'**
To what extent do you agree with this statement?

[8]

In your answer you may consider:

how prediction can reduce the effects of hurricanes;

other techniques employed to reduce the effects of hurricanes.

Conclude your answer by saying how far you agree with the statement.

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END OF SECTION A

Source A – Cyclists as a proportion of road users travelling into London

PERCENTAGE OF ROAD USERS WHO ARE CYCLISTS

YEAR

SECTION B

Answer EITHER Question 2 OR Question 3.

2. This question is about life in urban areas.

Study Source A opposite and answer the question that follows.

(a) Describe the trend shown in Source A between 1969 and 2009.   [2]

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Study Source B and answer the question that follows.

Source B – A photograph showing the urban regeneration of Cardiff Bay

2(b)   Describe the successes of such regeneration
schemes.   [4]

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2(c) **Explain why cities in LEDCs grow rapidly. You should refer to examples to help your answer.   [6]**

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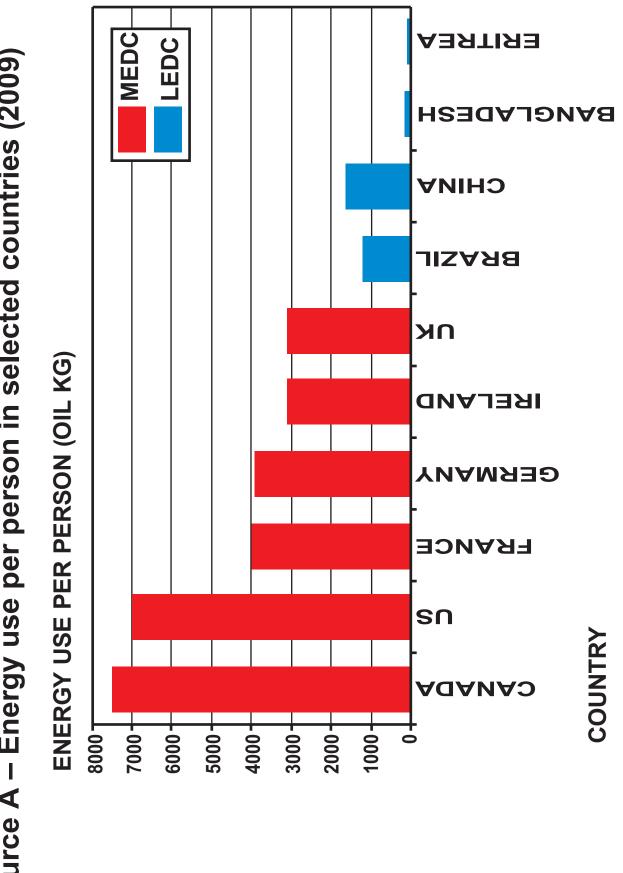
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2(d) **'The best solution for inner city housing redevelopment is to build high rise flats.'**
To what extent do you agree with this statement?

[8]

In your answer you may consider:

the advantages of high rise flats;

the disadvantages of high rise flats.

Conclude your answer by saying how far you agree with the statement.

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END OF QUESTION 2

Source A – Energy use per person in selected countries (2009)

ENERGY USE PER PERSON (OIL KG)

Legend	
■ MEDC	(red)
■ LEDC	(blue)

Chart: horizontal bar chart of energy use per person (oil kg), x-axis 0 to 8000.

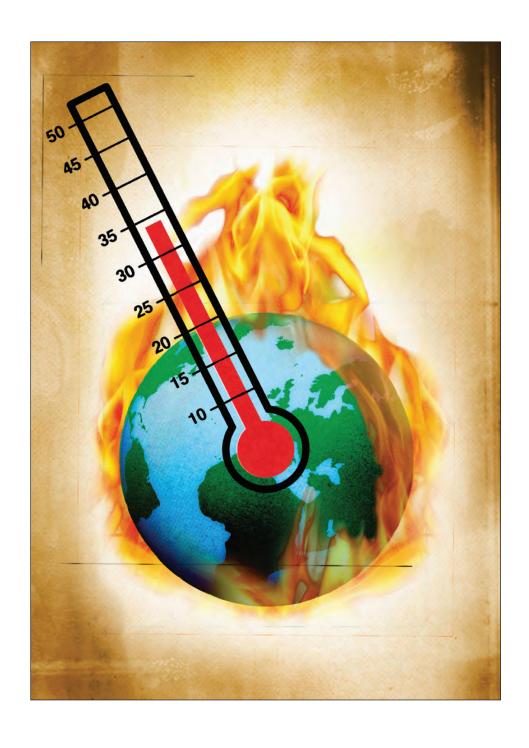| Country	Energy use per person (OIL KG)
CANADA	~7500
US	~7000
FRANCE	~4000
GERMANY	~4000
IRELAND	~3000
UK	~3000
BRAZIL	~1200
CHINA	~1600
BANGLADESH	~200
ERITREA	~150

COUNTRY

www.economicshelp.org / Source: World Bank

If you have answered Question 2 you must not answer Question 3.

3. **This question is about issues connected with the world's climate.**

Study Source A opposite and answer the question that follows.

(a) **Describe the pattern of energy use shown in Source A.   [2]**

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Source B

Study Source B opposite and answer the question that follows.

3(b)   Describe evidence that supports the case for global warming.   [4]

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3(c) **Explain why some countries are more vulnerable to the effects of global warming than others. You should refer to examples to help your answer.** **[6]**

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3(d) **'Investing in renewable energy is the best way to combat climate change.'**
To what extent do you agree with this statement?

[8]

In your answer you may consider:

advantages of renewable energy;

alternative ways to combat climate change.

Conclude your answer by saying how far you agree with the statement.

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END OF SECTION B

END OF PAPER