Candidate	Centre	Candidate			
Name	Number	Number			
		0			



GCSE

4321/01

HUMANITIES

UNIT 1: PEOPLE AND THEIR ENVIRONMENTS

A.M. TUESDAY, 17 May 2011 1 hour

Questions answered	Examiner's use only
Question 1 (Section A)	
Question 2 or 3 (Section B)	
TOTAL	50

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your name, centre number and candidate number in the spaces at the top of this page.

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.

PEOPLE AND ENVIRONMENTS

Answer Question 1 (Section A) and either Question 2 or Question 3 (Section B).

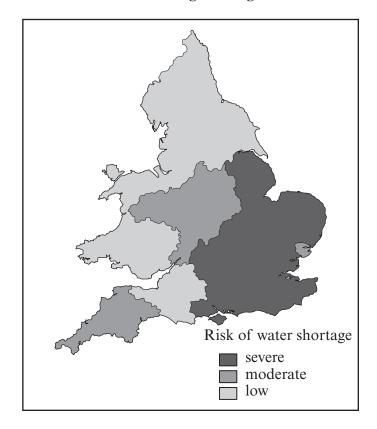
SECTION A

Answer all parts of this question.

1. This question is about people and their relationship with water resources.

Look at Source A and then answer the question that follows.

Source A – Water shortages in England and Wales

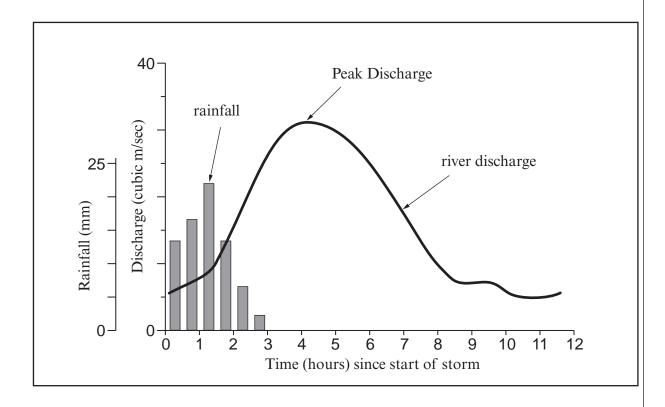


(a)	Use Source A and your own England and Wales.	n knowledge to	describe the 1	risk of water	shortages in [2]

<i>(b)</i>	Explain why some areas of the UK are more at risk from water shortages than others.	1]

Look at Source B and then answer the question that follows.

Source B - A storm hydrograph of a flood event on a river in the UK



(c) Use Source B and your own knowledge to describe the effect storms can have on rivers. [4]

Expla	in why	deforesta	ation in a	a draina	ige basi	n may i	ncrease	the thi	reat of	floods.	[6)]
												Explain why deforestation in a drainage basin may increase the threat of floods. [6

Look at Source C and answer the question that follows.

Source C - Flooding in Warwickshire, UK - July 2007



© Warwickshire County Council

(e)	Use Source C and your own knowledge to describe how flooding can affect the live people in the UK.	s of [6]

(4321-01) **Turn over.**

<i>(f)</i>	'The most effective way to protect against flooding is to build dams and reservoirs.' To what extent do you agree with this statement?	[8]
	Give arguments for and against this statement by:	
	describing the benefits of using dams and reservoirs; considering alternative methods of flood control. Conclude by saying how far you agree with the statement.	
		•••••

SECTION B

Answer either Question 2 or Question 3.

2. This question is about the sustainable development of tropical rainforests.

Look at Source A and answer the question that follows.

Source A – Tropical Rainforest in Brazil, South America.

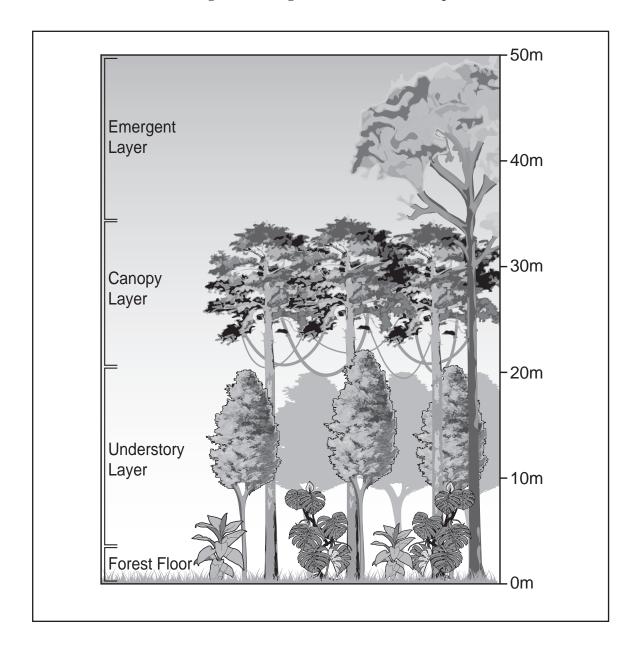


Rhett A. Butler

(a)	Use Source A and your own knowledge to describe what is happening to the wortropical rainforests.	rld's [2]

Look at Source B and answer the question that follows.

Source B - A diagram showing the structure of the tropical rainforest.



<i>(b)</i>	Use Source B and your own knowledge to describe the structure of a tropical rainfore	est. [4]

(c)	Explain how native people use the rainforest without causing long lasting damage.	[6]

(d)	'The tropical rainforest is the most important ecosystem we have. It must be p from destruction at all costs.' To what extent do you agree with this statement?				
	Give arguments for and against this statement by:				
	explaining why tropical rainforests are such important ecosystems; considering the reasons why rainforests are being destroyed at such a rate. Conclude by saying how far you agree with the statement.				

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

3. This question is about the pressures of food supply on the global environment.

Look at Source A and answer the question that follows.

Source A – Farming in Less Economically Developed Countries



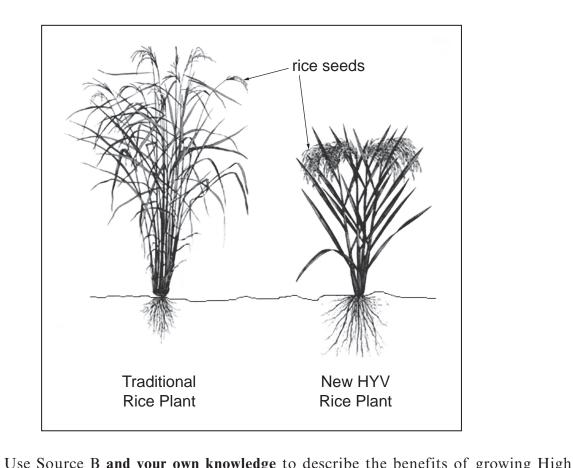
Rhett A. Butler

(a)	Use Source A and your own knowledge to describe farming in some Less Developed Countries.	Economically [2]

Look at Source B and answer the question that follows.

(h)

Source B - Differences between traditional and new High Yielding Variety rice plants



Yielding Varieties of crops.	[4]

(4321-01) **Turn over.**

(c)	Explain why the use of seed varieties and farming techniques (the green revolution) has caused problems for some farmers in LEDCs (Less Economically Develope Countries).		
		[6]	

(d)	'The problem of desertification and famine in parts of Africa has been caused almost entirely by climate change. There is very little that anyone can do to improve the situation for the thousands of people who are affected by it.'
	To what extent do you agree with this statement? [8]
	Give arguments for and against this statement by:
	explaining the causes of desertification; describing what people can do to limit its effects. Conclude by saying how far you agree with the statement.