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| Surname | Centre Number | Candidate Number |
| Other Names | | 0 |



GCSE

4321/01



S15-4321-01

HUMANITIES

UNIT 1: People and their Environments

P.M. MONDAY, 8 June 2015

1 hour

| 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 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 THEIR ENVIRONMENTS

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

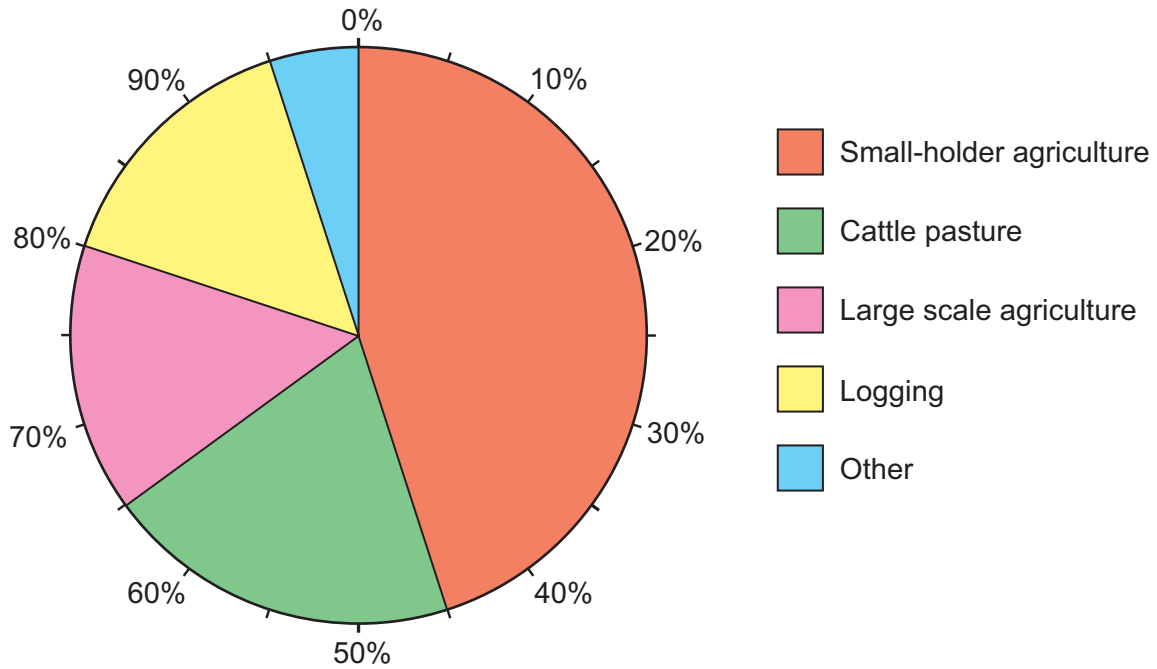
SECTION A

Answer all parts of this question.

1. This question is about sustainable development of tropical rainforests.

Study Source A and then answer the question that follows.

Source A – Causes of tropical deforestation 2000-2005



(a) Describe the pattern of rainforest destruction shown in Source A. [2]

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(b) Describe the process of shifting cultivation used in tropical rainforests.

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Study Source B and answer the question that follows.

Source B – A logo for the Rainforest Alliance charity



- (c) Describe how individuals in the UK can help to make rainforest exploitation more sustainable.

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(d) Describe how national parks can help to conserve tropical rainforests.

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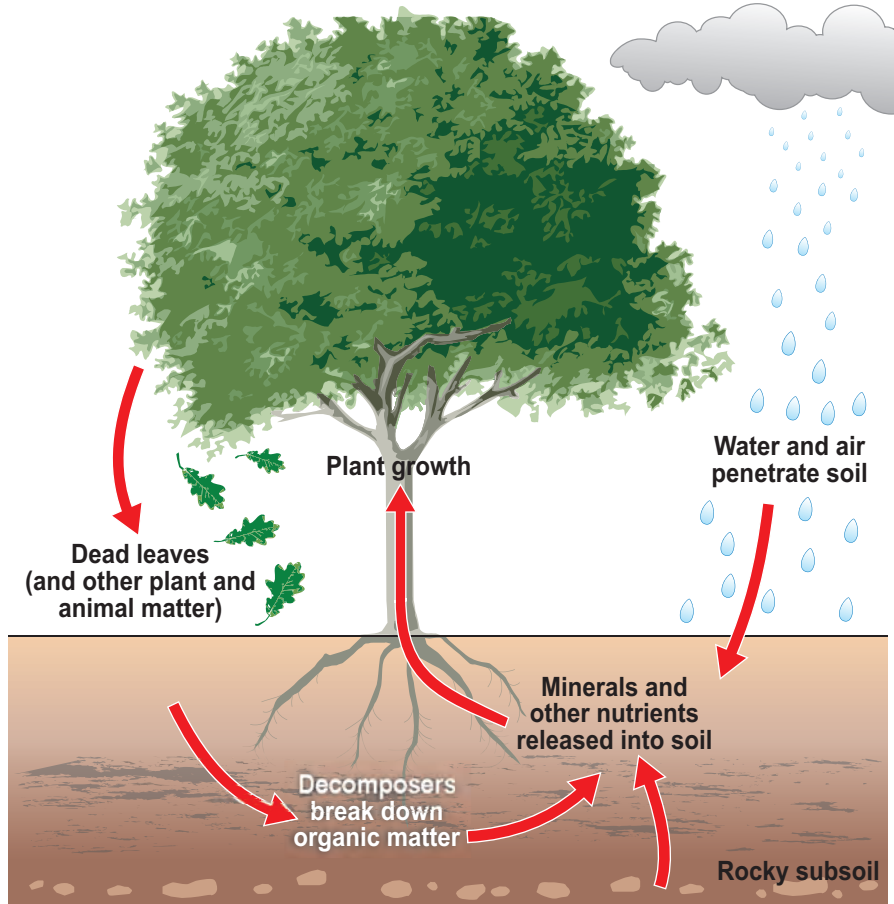
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Study Source C and answer the question that follows.

Source C – The nutrient cycle



(e) Explain why the poor soils of tropical rainforests can support such a large volume and variety of vegetation. Use Source C and your own knowledge in your answer. [6]

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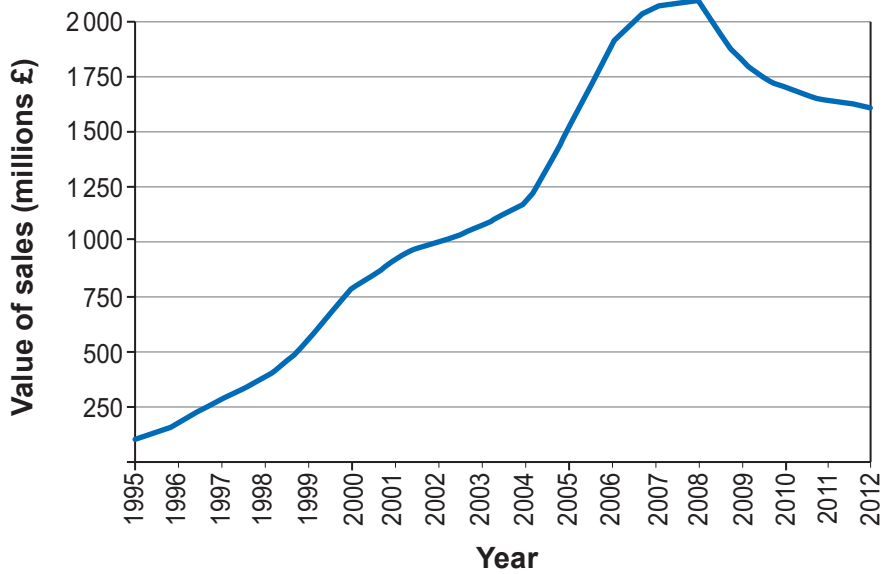
SECTION B

Answer either Question 2 or Question 3.

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

Study Source A and then answer the question that follows.

Source A – UK sales of organic products (1995 – 2012)



(a) Use Source A to describe the pattern of sales of organic products between 1995 and 2012. [2]

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Study Source B and answer the question that follows.

Source B – A farmer spraying pesticides on a farm in the UK



(b) Describe how pesticides can affect the environment of the UK.

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(c) Describe how farmers in the UK can act as custodians of the countryside.

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(d) 'LEDC farmers should always introduce modern farming methods in order to increase their yields.'

To what extent do you agree with this statement? [8]

In your answer you may consider:

- *how modern farming methods have increased yields;*
- *the problems associated with modern farming methods.*

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

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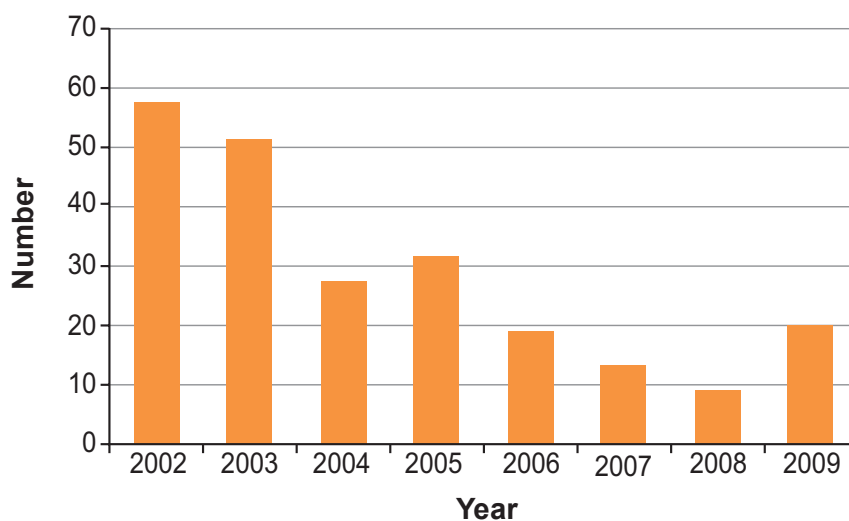
END OF QUESTION 2

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

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

Study Source A and then answer the question that follows.

Source A – The number of pollution incidents in the River Thames each year (2002 – 2009)



- (a) Use Source A to describe the pattern of pollution incidents in the River Thames between 2002 and 2009. [2]

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Study Source B and answer the question that follows.

Source B – A river in flood



(b) Describe how afforestation can reduce the risk of flooding.

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(c) Describe how large water management schemes can affect the local people and environment.

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