GCSE

4321/01

HUMANITIES

UNIT 1: People and their Environments

A.M. THURSDAY, 16 June 2016

1 hour plus your additional time allowance

Surname _____

Other Names _____

Centre Number _____

Candidate Number 0 _____

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	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 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

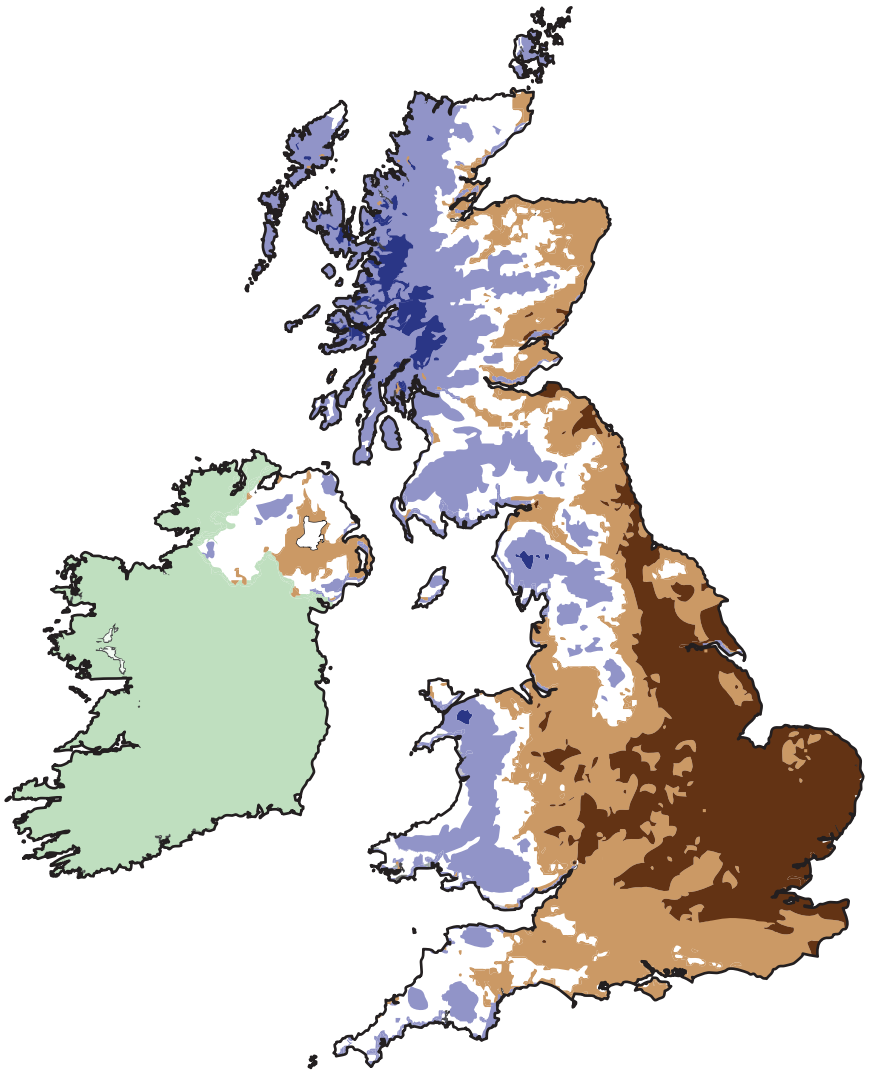
The number of marks is given in brackets at the end of each question or part-question.

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 – Average Annual UK Rainfall



N

Key:

- more than 3000 mm
- 1500 – 2999 mm
- 1000 – 1499 mm
- 600 – 999 mm
- less than 600 mm

0 100

km

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 people and their relationship with water resources.

Study Source A opposite and then answer the question that follows.

(a) Use Source A ONLY to describe the pattern of average rainfall in the UK. [2]

_____

_____

_____

_____

_____

_____

1(b) Explain why some areas of the UK receive more rainfall than others. [4]

Source B – Water travelling through a drainage basin

Study Source B opposite and answer the question that follows.

1(c) Describe TWO pathways water can take through a drainage basin. [4]

1(d) Describe how a flood affected local people. You must use an example you have studied in your answer. [6]

Study Source C opposite and answer the question that follows.

1(e) Use source C and your own knowledge to explain why the demand for water has increased in the UK in the last 50 years. [6]

1(f) **'The only effective way to reduce the impact of flooding is to stop building on flood plains.'**
To what extent do you agree with this statement?
[8]

In your answer you may consider:

- **how not building on flood plains reduces the impact of flooding;**
- **alternative solutions to reduce the impact of flooding.**

Conclude your answer by saying to what extent you agree with the statement, and why.

30

END OF SECTION A

SECTION B

Answer EITHER Question 2 OR Question 3.

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

Study Source A opposite and then answer the question that follows.

(a) Use Source A ONLY to describe the change in sustainably managed farmland in tropical rainforests. [2]

Source B – Rubber Tapping in the Tropical Rainforest

Study Source B opposite and answer the question that follows.

2(b) Explain why rubber tapping is a sustainable rainforest activity. [4]

2(c) Describe the benefits that tropical rainforests bring to native people and the wider world. [6]

2(d) **'The best way to manage tropical rainforests is to use sustainable logging.'**
To what extent do you agree with this statement?
[8]

In your answer you may consider:

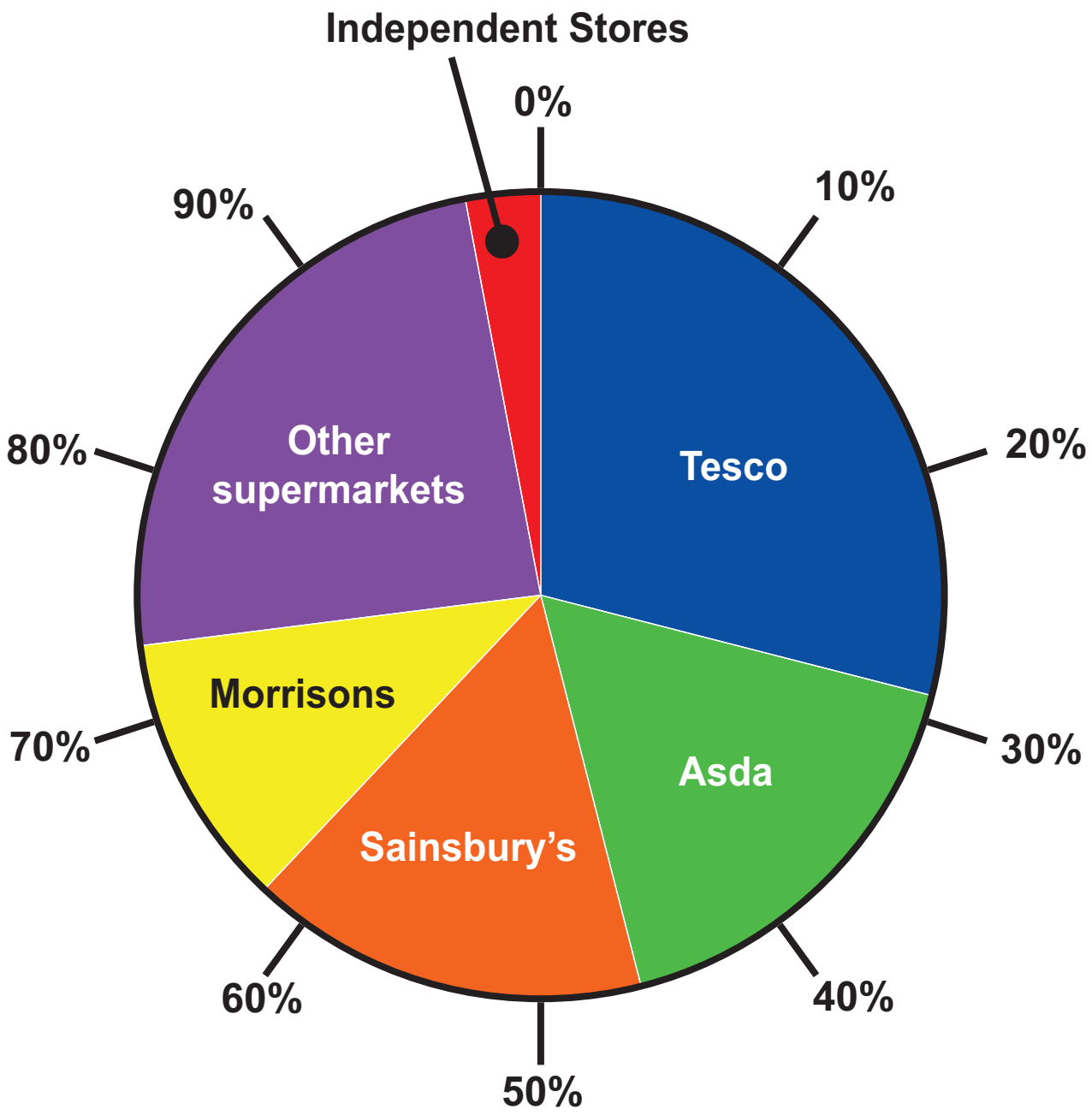
- **the benefits of sustainable logging;**
- **alternative sustainable activities.**

Conclude your answer by saying to what extent you agree with the statement, and why.

20

END OF QUESTION 2

Source A – UK Grocery Sales (2014)



If you have answered Question 2 you MUST NOT answer Question 3.

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

Study Source A opposite and then answer the question that follows.

(a) Use Source A ONLY to describe grocery sales in the UK in 2014. [2]

Source B – A UK Supermarket

Study Source B opposite and answer the question that follows.

3(b) Describe how supermarkets benefit UK farmers.

[4]

3(c) Describe how increasing productivity on UK farms has affected the environment. [6]

3(d) 'Desertification is caused by overgrazing.'
To what extent do you agree with this statement?
[8]

In your answer you may consider:

- **how overgrazing causes desertification;**
- **other causes of desertification.**

Conclude your answer by saying to what extent you agree with the statement, and why.

20

END OF SECTION B

END OF PAPER

Source C – Water Uses in Industry and Agriculture

It takes...

10 litres
of water to make one sheet of
PAPER

40 litres
of water to make one slice of
BREAD

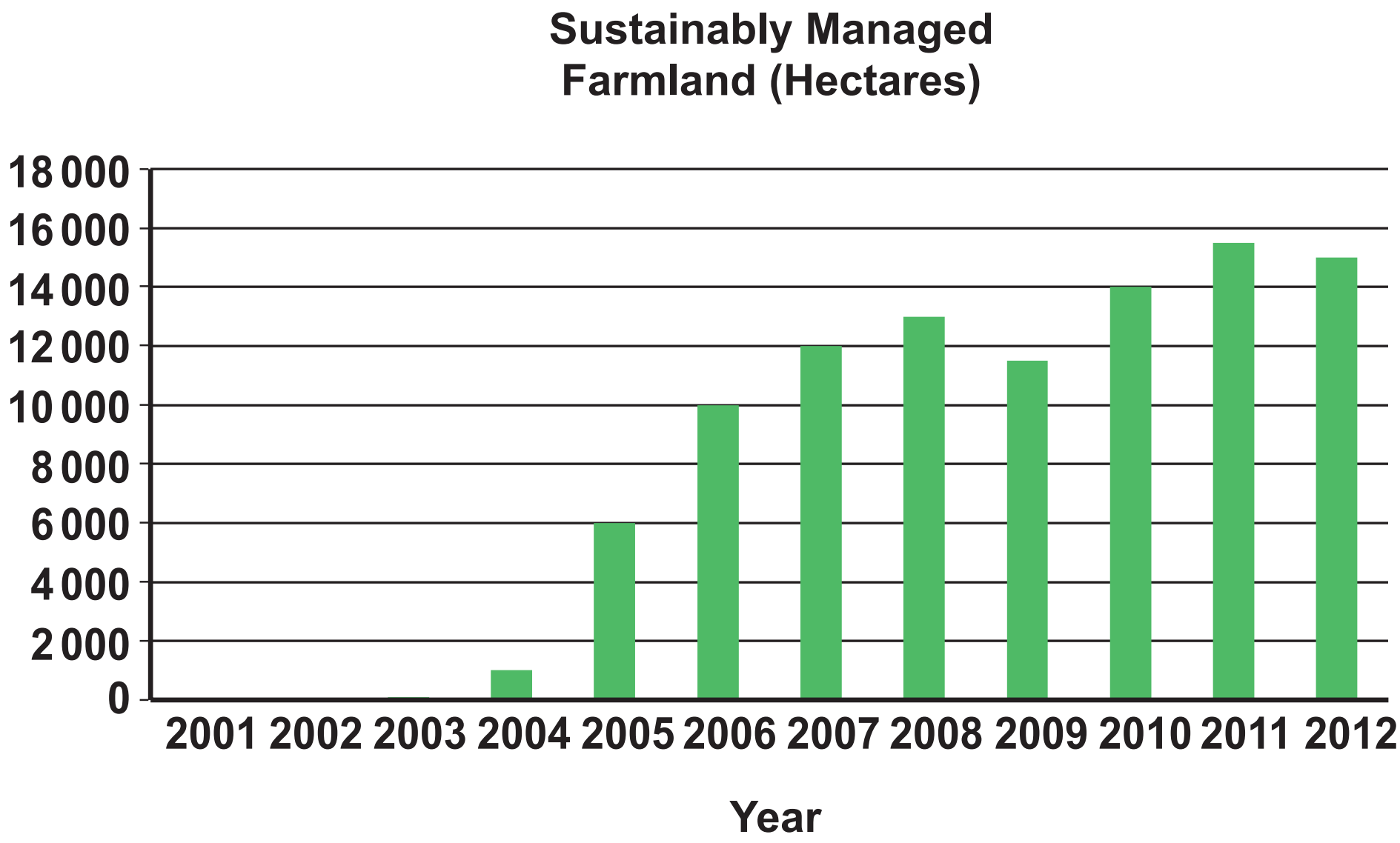
140 litres
of water to make one cup of
COFFEE

10,855 litres
of water to make one pair of
JEANS

1,300 litres
of water to make one kilogram of
WHEAT

15,500 litres
of water to make one kilogram of
BEEF

SOURCE A


Sustainably Managed
Farmland (Hectares)
18 000
16 000
14 000
12 000
10 000
8 000
6 000
4 000
2 000
0
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012
Year