



Oxford Cambridge and RSA

Wednesday 5 June 2019 – Afternoon

**GCSE (9–1) Geography A
(Geographical Themes)**

J383/02 The World Around Us

Time allowed: 1 hour



You must have:

- the Resource Booklet (inserted)

You may use:

- a scientific or graphical calculator
- a ruler (cm/mm)



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

Last name

INSTRUCTIONS

- The separate Resource Booklet will be found inside this document.
- Use black ink. You may use an HB pencil for graphs and diagrams.
- Answer **all** the questions.
- Write your answer to each question in the space provided. If additional space is required, use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.

INFORMATION

- The total mark for this paper is **60**.
- The marks for each question are shown in brackets [].
- Quality of extended responses will be assessed in questions marked with an asterisk (*).
- Spelling, punctuation and grammar and the use of specialist terminology (SPaG) will be assessed in questions marked with a pencil (✎).
- This document consists of **12** pages.

Answer all the questions.

Ecosystems of the Planet

1 (a) Study Fig. 1, a map showing the global distribution of tropical rainforests.

Describe the distribution of tropical rainforests shown on Fig. 1.

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..... [3]

(b) State two climatic conditions needed for a tropical rainforest to grow.

1
2 [2]

(c) Study the table below about areas of tropical rainforest in five countries.

Country	2005 rainforest area (km ²)	2015 rainforest area (km ²)	% loss of rainforest area
Bolivia	58 734	54 764	6.8
Brazil	506 734	493 538	2.6
Colombia	60 201	58 502	
Ecuador	13 335	12 548	5.9
Peru	75 528	73 973	2.1

(i) Calculate the percentage loss of rainforest area for Colombia.

Give your answer to one decimal place. [1]

(ii) How might sustainable use and management explain why some countries have lower rates of rainforest loss?

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(d) Study Fig. 2, which shows the water cycle in a tropical rainforest.

Using Fig. 2, explain **two** ways in which cutting down trees changes the water cycle.

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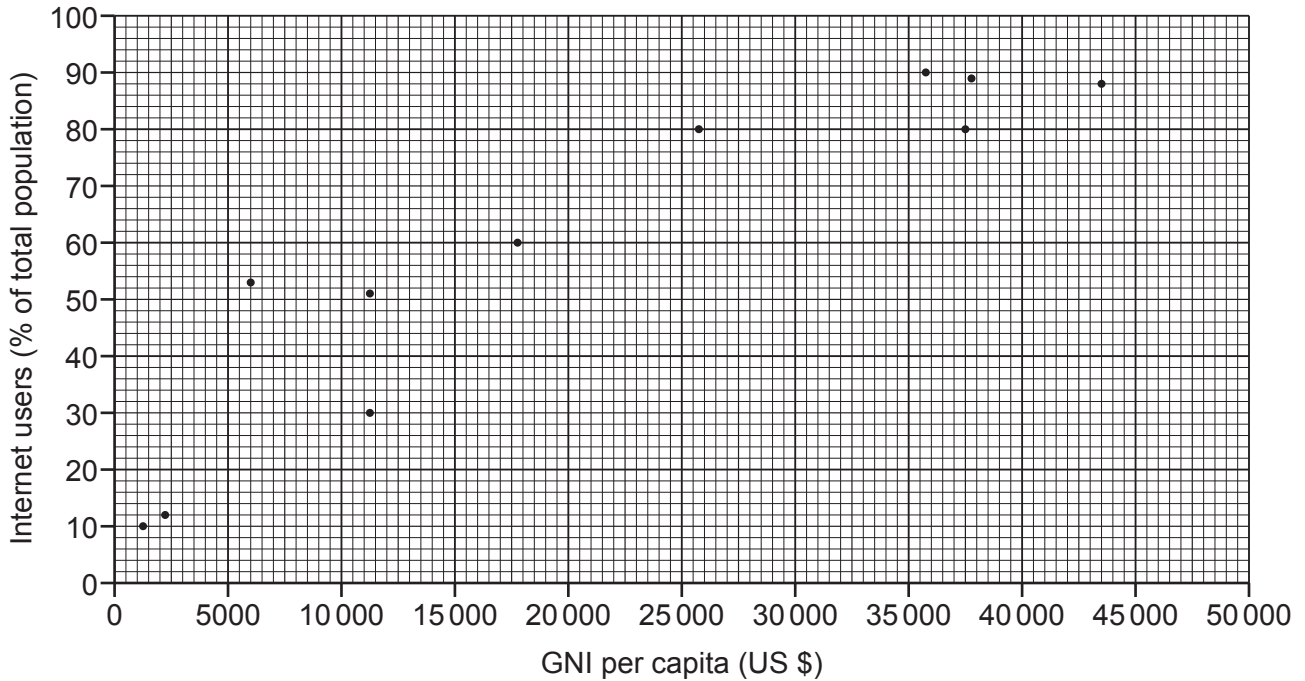
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People of the Planet

- 2 (a) Study the scatter graph below which shows the relationship between GNI per capita and internet users for selected countries.

GNI per capita and internet users for selected countries



- (i) Use the following data for the country of Jamaica to add a point to the scatter graph.

GNI per capita = \$8,500 Internet users = 45%. [1]

- (ii) Add a best fit line to the scatter graph. [1]

- (iii) Study the completed scatter graph.

Which one of the following statements describes the relationship between GNI per capita and internet users?

- A** The higher the GNI per capita the higher the % of internet users
B The higher the GNI per capita the lower the % of internet users
C The lower the GNI per capita the higher the % of internet users
D There is no clear relationship between the GNI per capita and the % of internet users

Write the correct letter in the box.

[1]

(iv) Explain how development indicators show evidence of economic development.

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Environmental threats to our Planet

3 (a) (i) Which of the following statements describes the circulation of air at the North Pole?

- A Rising cool, dry air
- B Rising warm air
- C Sinking cold, dry air
- D Sinking warm, moist air

Write the correct letter in the box. [1]

(ii) Which of the following statements describes the circulation of air at the Equator?

- A Cool, dry air descends
- B Cool, dry air rises
- C Warm, moist air rises
- D Warm, moist air sinks

Write the correct letter in the box. [1]

(iii) Explain how the global circulation of the atmosphere is controlled by the movement of air between the poles and the Equator.

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(b) Outline **two** theories of natural causes of climate change.

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[4]

(c) Study **Fig. 3**, a cartoon about climate change.

Using evidence from **Fig. 3**, explain **one** way that climate change may affect people's lives.

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[3]

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

A large area of lined paper for writing, consisting of 25 horizontal dotted lines. A solid vertical line runs down the left side of the page, creating a margin. The rest of the page is open for writing.

Blank writing area with horizontal dotted lines and a vertical solid line on the left side.



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