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Pearson Edexcel Centre Number Candidate Number

Level 3 GCE

Geography

Advanced

Paper 3

Sample assessment material for first teaching September 2016 Time: 2 hours 15 minutes	Paper Reference 9GE0/03
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You must have:
a ruler, the Resource Booklet provided, calculator

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Calculators may be used.
- Any **calculations** must show all stages of **working out** and a **clear answer**.

Information

- The total mark for this paper is 70.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- You are **advised** to spend the first **15 minutes** reading the Resource Booklet.
- Check your answers if you have time at the end.
- Try to answer every question.

Turn over ►

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Answer ALL questions.

Write your answers in the spaces provided.

You must use the Resource Booklet provided and your own knowledge and understanding from across your course of study to answer the questions in this paper.

- 1 Explain why tropical rainforests are a globally important physical system.

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(Total for Question 1 = 4 marks)

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- 2 (a) The table below shows data on income per capita and tropical rainforest forest cover loss for 10 countries.

The formula for Spearman's rank correlation coefficient value R is given below.

$$R = 1 - \frac{6\sum d^2}{n^3 - n}$$

Complete the table below and calculate the value of R for the data given.

Show your working.

(4)

Country	Income per capita (2014 US\$)	Rank	% forest cover loss 1990–2005	Rank	d	d ²
Brunei	36,600	1	11.2	7		
Costa Rica	10,000	4	29.4	3	1	1
Indonesia	3,500	6	30.8	2		
Kenya	1,400	8	5.1	9	1	1
Madagascar	450	10	1.5	10		
Mexico	10,700	3	15.3	5	2	4
Panama	11,100	2	18.0	4	2	4
Papua New Guinea	2,100	7	13.7	6	1	1
Senegal	1,000	9	9.2	8	1	1
Sri Lanka	3,600	5	35.0	1		
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R =

(b) Explain why the value for R you have calculated, for the relationship between income per capita and forest cover loss, may be unreliable.

(4)

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(Total for Question 2 = 8 marks)

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- 4** Study Figure 9 in Section C of the Resource Booklet, which shows data on natural resources exports versus income per person.

Analyse the relationship between income per capita and natural resource exports.

(Total for Question 4 = 8 marks)

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5 Study the resources in Section C of the Resource Booklet.

Evaluate the economic strengths and weaknesses of Angola, Congo and DRC.

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You are advised to read Section D of the Resource Booklet before attempting this question.

6 Evaluate the view that the natural resources found in the three countries shown are more of a 'curse' than a 'blessing' for their people and environment.

(24)

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(Total for Question 6 = 24 marks)

TOTAL FOR PAPER = 70 MARKS