

Please check the examination details below before entering your candidate information

Candidate surname					Other names				
Centre Number					Candidate Number				

Pearson Edexcel International Advanced Level

Tuesday 6 June 2023

Afternoon (Time: 2 hours)

Paper reference **WGE03/01**

Geography

International Advanced Level

UNIT 3: Contested Planet

You must have:
Resource Booklet (enclosed)

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 in Section A, **ONE** question in Section B and **ONE** question in Section C.
- Answer the questions in the spaces provided
– *there may be more space than you need.*

Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- Calculators may be used.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ►

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SECTION A

Compulsory topics and synoptic question

You must use the Resource Booklet.

Answer ALL questions in this section. Write your answers in the spaces provided.

A1: Atmosphere and Weather Systems

- 1 (a) Using Figure 1, explain the relationship between the general circulation of the atmosphere and locations of weather hazards.

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- (b) Assess the importance of prediction and evacuation in the management of tropical cyclones.

(15)



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(Total for Question 1 = 25 marks)



A2: Biodiversity Under Threat

2 Using Figure 2, suggest reasons for the different trends in deforestation shown.

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(Total for Question 2 = 10 marks)



Synoptic question

You should use relevant knowledge and understanding from Unit 1 and Unit 3 (topics A1 and A2) to answer this question.

- 3 To what extent is migration a solution for people affected by increasing risks from extreme weather hazards and global warming?

(15)

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(Total for Question 3 = 15 marks)

TOTAL FOR SECTION A = 50 MARKS



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(Total for Question 4 = 20 marks)



If you answer Question 5, put a cross in the box ☐.

B2: Water Conflicts

5 (a) Using Figure 4, suggest reasons for the differences in drinking water prices.

(5)

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(b) Using named examples, assess how far water conservation can contribute to improved water security.

(15)

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(Total for Question 5 = 20 marks)

TOTAL FOR SECTION B = 20 MARKS





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(Total for Question 6 = 20 marks)





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(Total for Question 7 = 20 marks)

TOTAL FOR SECTION C = 20 MARKS
TOTAL FOR PAPER = 90 MARKS



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Pearson Edexcel International Advanced Level**Tuesday 6 June 2023**

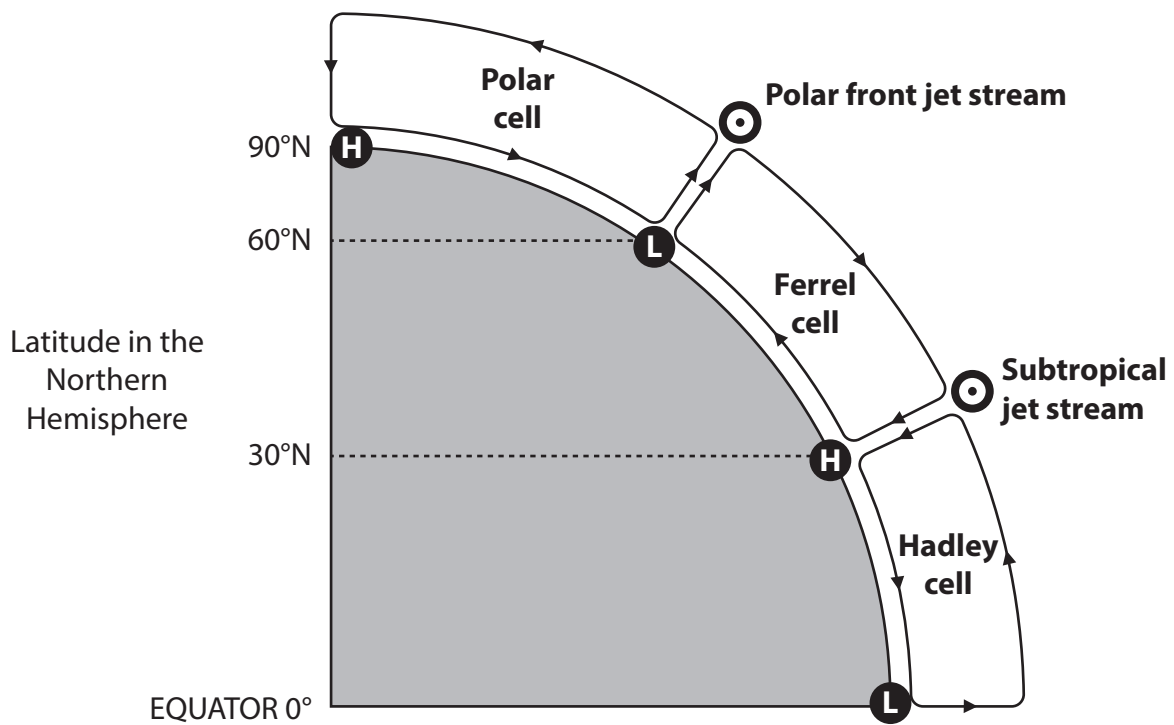
Afternoon (Time: 2 hours)

Paper
reference**WGE03/01****Geography****International Advanced Level****UNIT 3: Contested Planet****Resource Booklet****Do not return this Booklet with the question paper.***Turn over* ►**P72578A**©2023 Pearson Education Ltd.
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SECTION A

A1: Atmosphere and Weather Systems

The following resource relates to Question 1 (a).



Key

→ Arrows show direction of air circulation within atmospheric cells

⊙ Position of jet streams

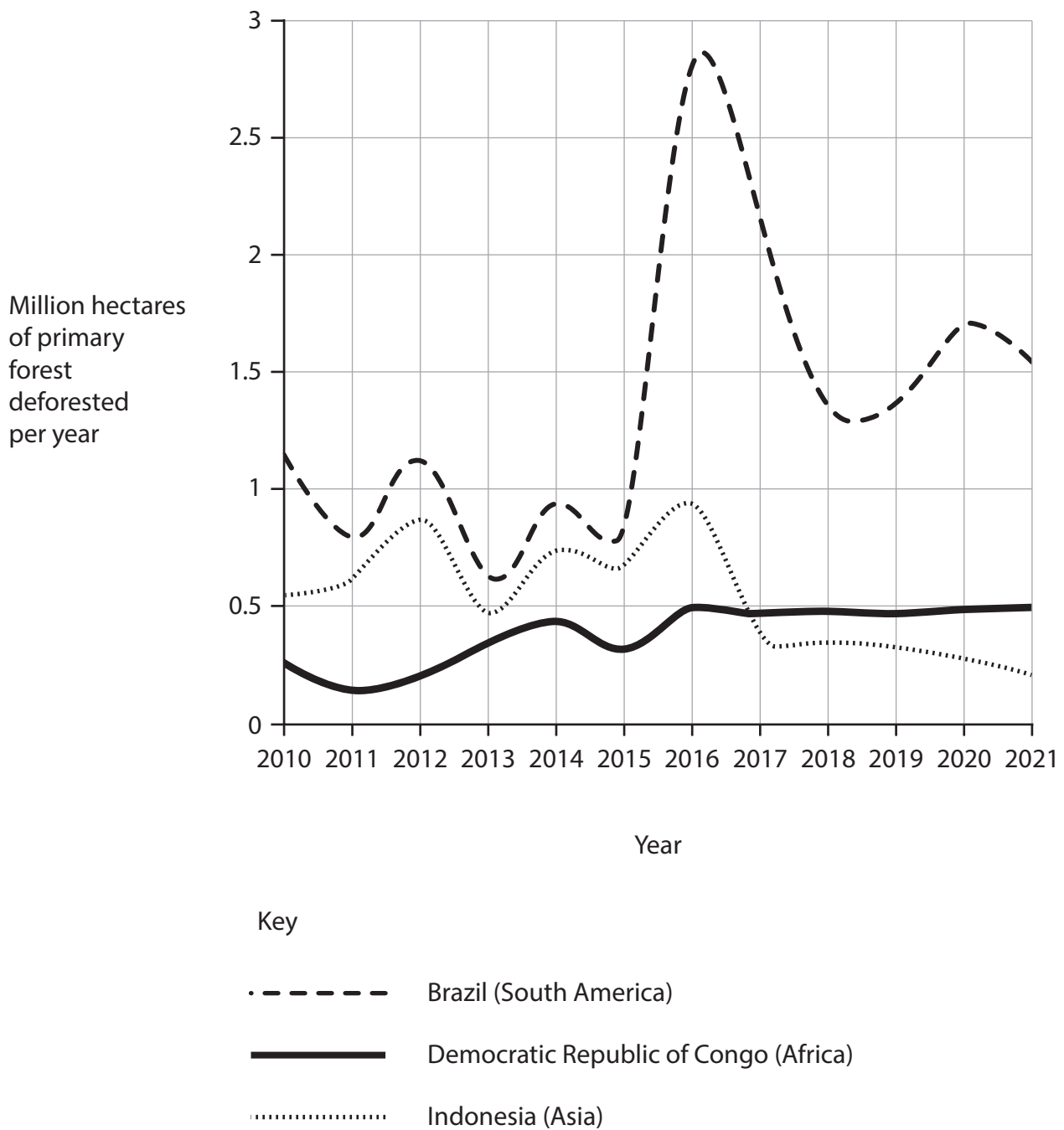
H L High (H) and Low (L) surface air pressure

Figure 1

The general circulation of the atmosphere and atmospheric cells

A2: Biodiversity Under Threat

The following resource relates to Question 2.



Primary forest has never had significant disturbance by people.

Figure 2

Annual primary forest loss caused by deforestation for three countries, 2010–2021

SECTION B

B1: Energy Security

The following resource relates to Question 4 (a).

Electricity source	US\$ per megawatt hour (MWh)
Wind turbine (onshore)	49
Solar (photovoltaic/PV)	62
Gas power station	67
Nuclear power station	99

Figure 3

Global average price for electricity sources built in 2021

B2: Water Conflicts

The following resource relates to Question 5 (a).

Drinking water source	US\$ per cubic metre (m ³)
Surface water (rivers and lakes)	0.20
Groundwater	0.48
Recycled grey water	1.43
Desalination	1.72

Figure 4

Average price for four drinking water sources

Acknowledgements

Pearson Education Ltd. gratefully acknowledges all following sources used in preparation of this paper:

Figure 2 adapted from: <https://www.globalforestwatch.org/>

Figure 3 adapted from: <https://www.iea.org/data-and-statistics>

Figure 4 adapted from: The cost of alternative urban water supply and efficiency options in California By Heather Cooley, Rapichan Phurisamban and Peter Gleick © IOP Publishing Ltd.