

Write your name here

Surname

Other names

Pearson Edexcel
International
Advanced Level

Centre Number

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Candidate Number

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Geography

International Advanced Subsidiary
Paper 1: Global Challenges

Tuesday 16 May 2017 – Afternoon

Time: 1 hour 45 minutes

Paper Reference

WGE01/01

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. Answer **either** Question 5 **or** Question 6 in Section B.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Calculators may be used.

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.*

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

You must use the Resource Booklet.

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

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 Study Figure 1 in the Resource Booklet.

- (a) (i) Identify the global region with the highest risk from all hydro-meteorological hazards.

(1)

- ☐ A North America
☐ B South Asia
☐ C Oceania
☐ D Europe

- (ii) Describe the pattern of risk from all hydro-meteorological hazards in **Africa**.

(2)

- (iii) Explain **one** physical cause of drought in the area labelled X on Figure 1.

(2)

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(b) Explain **two** human activities that can increase the risk of flood disasters.

(4)

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(c) Explain the global distribution of active volcanoes.

(6)

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(Total for Question 1 = 15 marks)



2 Study Figure 2 in the Resource Booklet.

(a) Carbon dioxide is a greenhouse gas.

(i) Name **one** other greenhouse gas.

(1)

(ii) Compare the carbon dioxide emissions in 1993 to those in 2013 shown in Figure 2.

(4)

(iii) Suggest **one** possible explanation for the changes to the emissions shown in Figure 2 for the following countries:

(4)

Germany

China



(b) Explain why adapting to rising sea levels is easier in some locations than others.

(6)

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(Total for Question 2 = 15 marks)



3 Study Figure 3 in the Resource Booklet.

- (a) (i) Identify the correct statement about the origin of the 787 aircraft parts shown in Figure 3.

(1)

- ☐ **A** Most components are made in Japan.
- ☐ **B** Most components are made in emerging countries.
- ☐ **C** Most components are made in developed countries.
- ☐ **D** Most components are made by Boeing.

- (ii) Suggest **one** way that Boeing and supplier TNCs might use the internet to manage the production of the 787 aircraft.

(2)

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- (iii) Explain **one** way that aircraft like the 787 contribute to globalisation.

(2)

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(b) Explain **two** benefits for countries joining free trade blocs.

(4)

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(c) Explain why there are concerns about the impacts of globalisation on the **local** environment.

(6)

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(Total for Question 3 = 15 marks)



4 Study Figure 4 in the Resource Booklet.

(a) (i) Name the country with the lowest percentage urban population.

(1)

(ii) Describe the relationship between annual income per capita and percentage urban population shown in Figure 4.

(3)

(iii) Suggest **one** possible cause of the relationship shown in Figure 4.

(2)

(b) Explain the negative impacts of urbanisation on surrounding rural areas.

(3)



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(c) Explain the challenges of meeting housing needs in cities in the developing world.

(6)

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(Total for Question 4 = 15 marks)

TOTAL FOR SECTION A = 60 MARKS



SECTION B

Answer ONE question in this section – EITHER Question 5 OR Question 6.

Use the evidence provided in the Resource Booklet, your own ideas and examples.

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

5 Study Figure 5 in the Resource Booklet.

- (a) Explain why some countries are more willing to take greater actions to reduce emissions.

(10)

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(b) Assess the extent to which prediction and monitoring technology can help reduce the impacts of natural disasters.

(20)

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(Total for Question 5 = 30 marks)



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If you answer Question 6 put a cross in the box ☐ .

6 Study Figure 6 in the Resource Booklet.

(a) Suggest reasons for the pattern of international migrants shown in Figure 6.

(10)

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(b) Assess the costs and benefits of globalisation for workers in both developed and developing countries.

(20)

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(Total for Question 6 = 30 marks)

TOTAL FOR SECTION B = 30 MARKS
TOTAL FOR PAPER = 90 MARKS



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Do not return this Resource Booklet with the question paper.

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SECTION A

The following resource relates to Question 1.

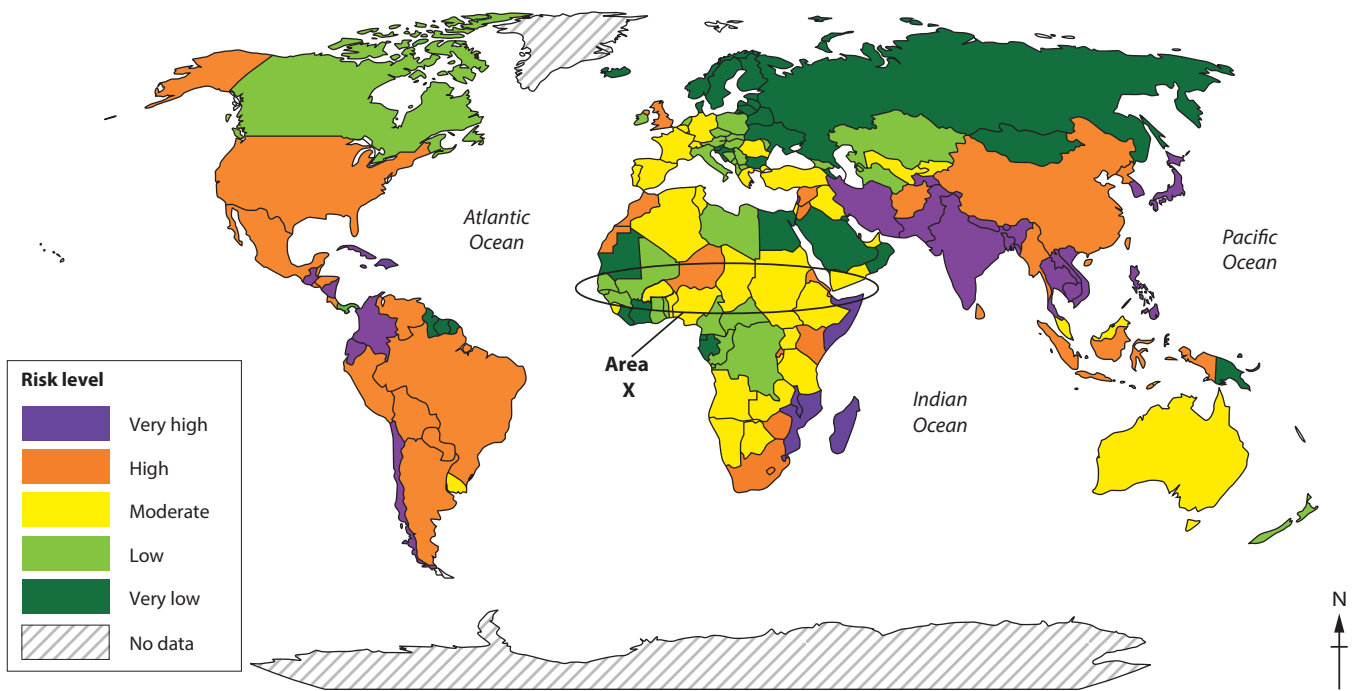


Figure 1

Risk level from all hydro-meteorological hazards (floods, droughts and cyclones)

The following resource relates to Question 2.

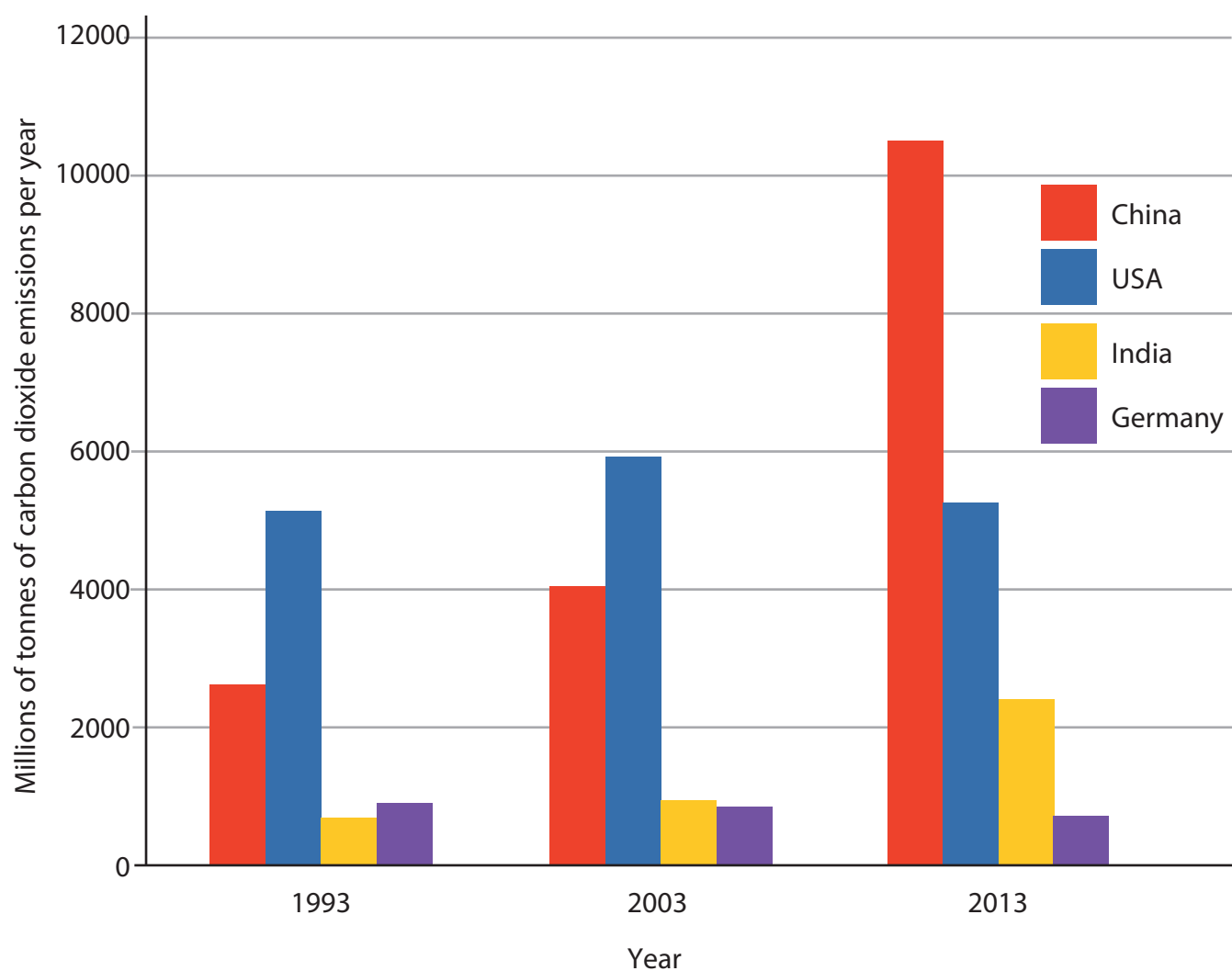


Figure 2

Total carbon dioxide emissions for four countries

[illegible][illegible]

The following resource relates to Question 3.

Country i.e. Japan
Supplier (TNC) i.e. Kawasaki

Figure 3

The origin of parts for the USA-based Boeing 787 jet passenger aircraft

The following resource relates to Question 4.

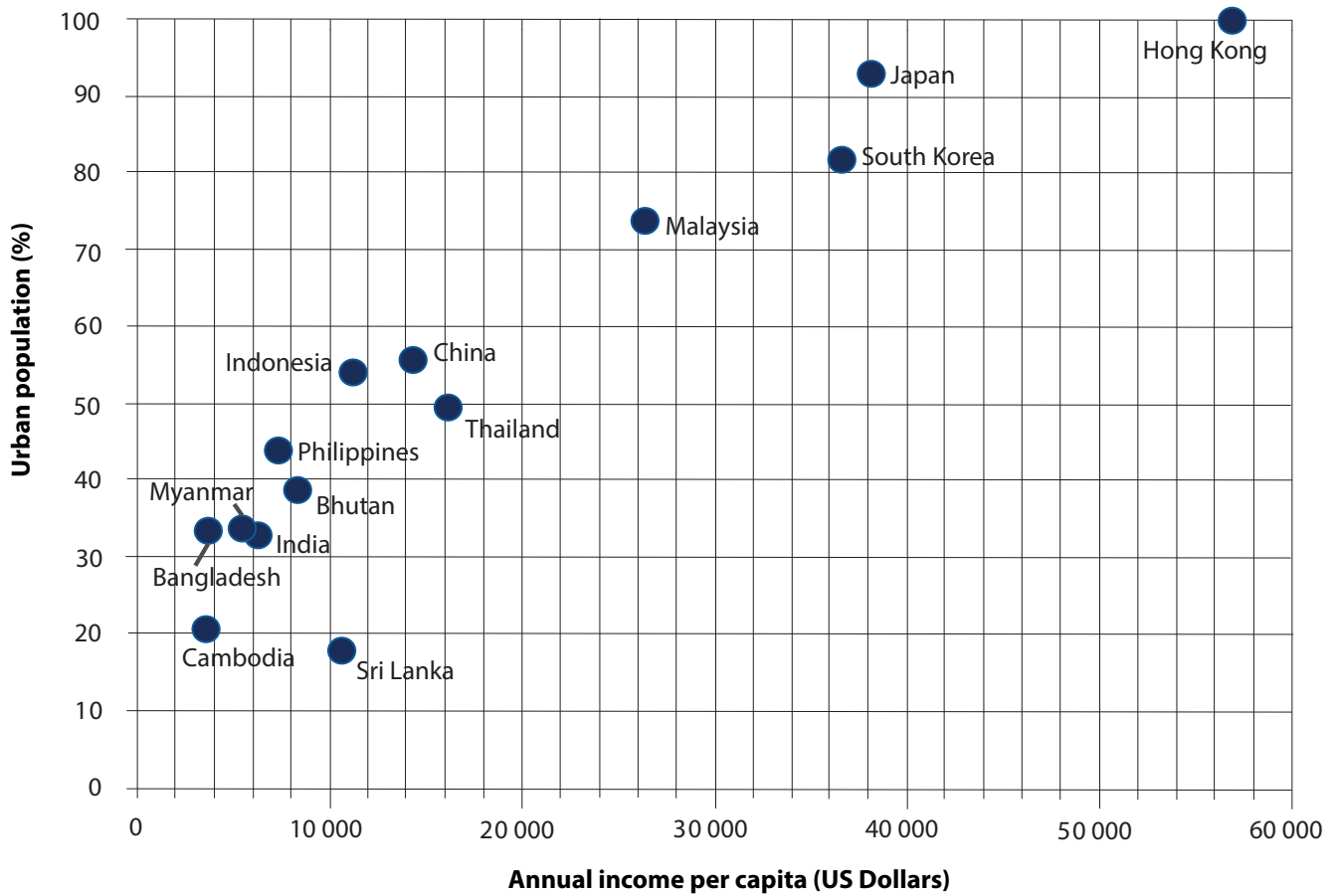


Figure 4

A scattergraph showing annual income per capita and urban population

SECTION B

The following resource relates to Question 5.

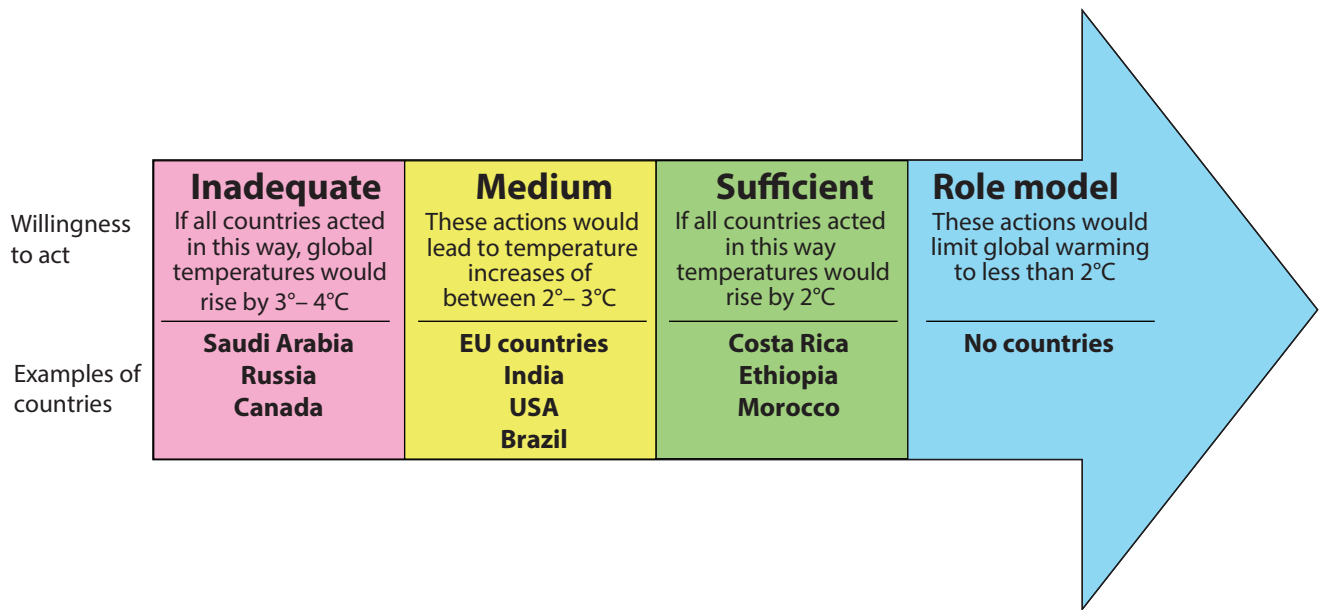


Figure 5

Willingness to act to reduce emissions at the 2015 Paris climate change summit

The following resource relates to Question 6.

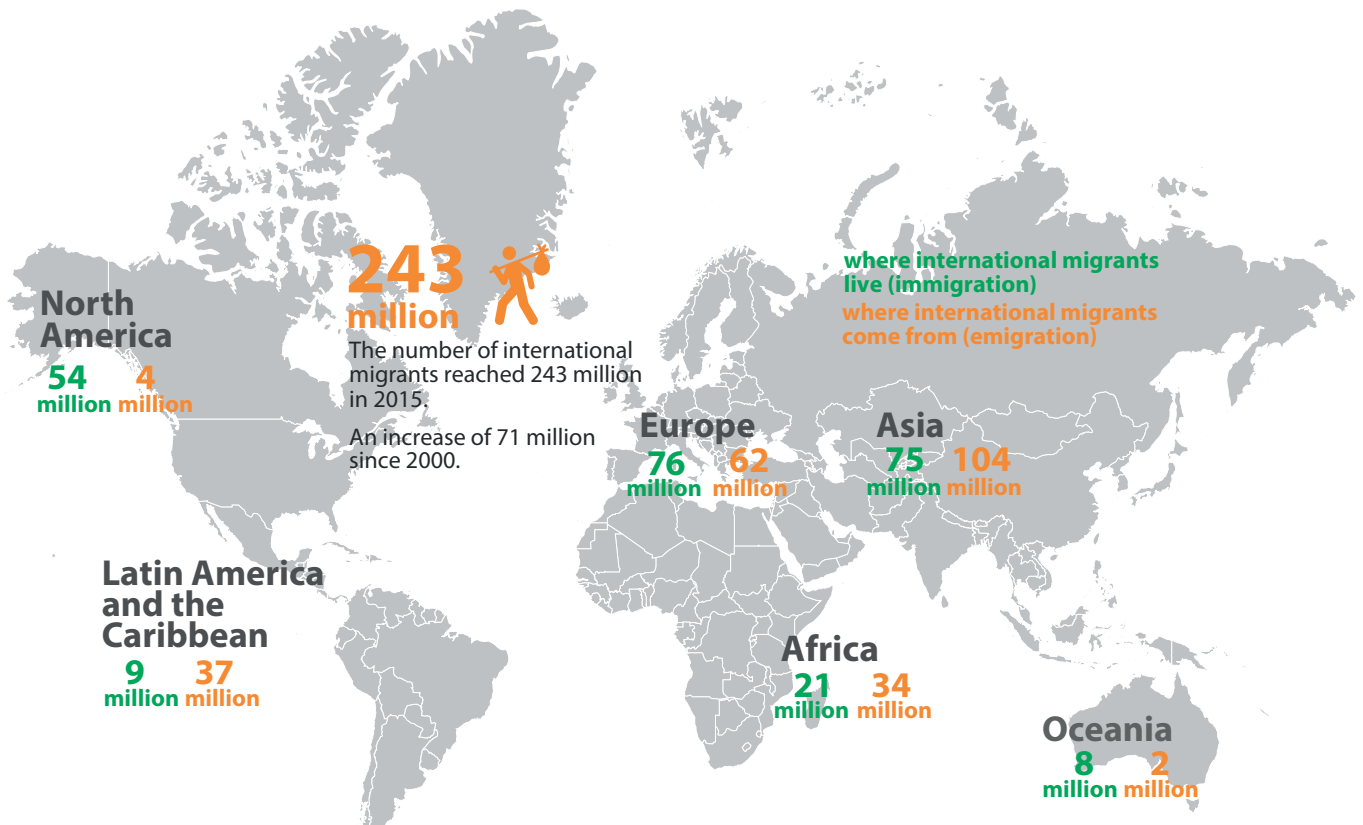


Figure 6

The number of international migrants in 2015

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