

Write your name here	
Surname	Other names
Centre Number	Candidate Number
<input type="text"/>	<input type="text"/>
Edexcel GCE	
Geography	
Advanced Subsidiary	
Unit 1: Global Challenges	
Wednesday 18 January 2012 – Morning	Paper Reference
Time: 1 hour 30 minutes	6GE01/01
You must have: Resource Booklet (enclosed)	Total Marks
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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 and **ONE** question in Section B.
- 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.*
- Questions labelled with an **asterisk** (*) are ones where the quality of your written communication will be assessed
– *you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Spend approximately one hour on Section A and 30 minutes on Section B.
- Check your answers if you have time at the end.

Turn over ►

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SECTION A

Answer ALL questions.

You must use the Resource Booklet.

You are advised to spend approximately one hour on Section A.

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.

(a) Identify which location is likely to have the lowest disaster risk and give a reason for your choice.

(2)

Location

Reason

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(b) Suggest **two** reasons why cities in California sometimes suffer from flooding.

(4)

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(c) Explain why California often experiences geophysical hazard events.

(5)

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(Total for Question 1 = 11 marks)



2 Study Figure 2.

(a) What change in albedo results from the melting of Arctic sea ice?

Put a cross in the correct box.

(1)

- A** 82% fall
- B** 82% rise
- C** 58% fall
- D** 17% rise
- E** 7% fall

(b) Explain how changes in albedo in the Arctic may contribute to accelerated global warming.

(3)

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3 Study Figure 3.

(a) Using data from Figure 3, compare the economic impact of a 3°C rise with a 7°C rise in global mean temperature.

(2)

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(b) With reference to Figure 3, suggest why some groups of people may experience greater economic losses than other groups of people.

(4)

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(c) Explain why the costs of climate change adaptation strategies keep rising.

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(Total for Question 3 = 11 marks)



4 Study Figure 4.

(a) (i) Describe how levels of connectivity vary for the countries shown.

(3)

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(ii) Suggest reasons for the variations you have described.

(3)

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(b) What term best describes a highly-connected place?

Put a cross in the correct box.

(1)

- A Suburb
- B Megacity
- C Shanty town
- D Million city
- E Global hub

(c) Explain how physical factors may have contributed to the growth of 'switched-on' and 'switched-off' places.

(5)

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(Total for Question 4 = 12 marks)



5 Study Figure 5.

(a) Which **two** non-eastern EU nations had below-average earnings in 2005?

Put a cross in the correct box.

(1)

- A** Spain and Latvia
- B** Spain and Portugal
- C** Poland and Portugal
- D** Latvia and Romania
- E** Romania and Bulgaria

(b) What term best describes the movement of eastern European workers to the UK?

Put a cross in the correct box.

(1)

- A** Post-colonial labour flow
- B** Refugee flow
- C** Retirement migration
- D** Post-accession labour flow
- E** Internal migration

(c) Suggest reasons why many eastern Europeans migrated to the UK in 2005 instead of to other countries.

(4)

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(d) Explain the social impacts of migration within Europe for host nations.

(4)

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(Total for Question 5 = 10 marks)



6 Study Figure 6.

(a) What will the gap between pension payouts and pension contributions be in 2060?

Put a cross in the correct box.

(1)

- A £80 billion
- B £62 billion
- C £52 billion
- D £30 billion
- E £28 billion

(b) Explain why the impacts of an ageing population vary from place to place in the UK.

(4)

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SECTION B

Answer ONE question in this section.

**Use the evidence provided in the Resource Booklet and your own ideas.
You are advised to spend approximately 30 minutes on Section B.**

***7** Study Figure 7.

- (a) With reference to the factors shown, suggest how hazard vulnerability in a local area can be assessed. (10)
- (b) Explain the global distribution of **two** major hydro-meteorological hazard types. (15)

(Total for Question 7 = 25 marks)

***8** Study Figure 8.

- (a) Examine how historical data such as this can provide evidence for natural climate change. (10)
- (b) Explain why many scientists believe that human, rather than natural causes, may be more to blame for recent climate change. (15)

(Total for Question 8 = 25 marks)

***9** Study Figure 9.

- (a) Suggest why increasing numbers of people support green strategies such as this. (10)
- (b) Examine how globalisation can have both positive and negative effects on people. (15)

(Total for Question 9 = 25 marks)

***10** Study Figure 10.

- (a) Suggest why the arrival of newcomers can result in severe housing problems for megacities. (10)
- (b) Using examples, explain the causes of rural to urban migration that feed megacity growth. (15)

(Total for Question 10 = 25 marks)



Handwriting practice area with 25 horizontal dotted lines.

TOTAL FOR SECTION B = 25 MARKS
TOTAL FOR PAPER = 90 MARKS

