

Write your name here

Surname

Other names

Centre Number

Candidate Number

Edexcel GCE

Geography
Advanced Subsidiary
Unit 1: Global Challenges

Wednesday 13 May 2009 – Afternoon
Time: 1 hour 30 minutes

Paper Reference
6GE01/01

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 and **ONE** 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) Write the Risk Equation below, using the words provided in Figure 1.

(2)

RISK = $\frac{\text{.....} \times \text{.....}}{\text{.....}}$

(b) Which **two** major natural hazards are missing from the table below?

Write your answers in the two spaces provided.

(2)

The six main types of natural hazard
Floods
Earthquakes
Droughts
Landslide / avalanche



(c) Identify the natural hazard risks in a named **local** area.

(5)

Named **local** area

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(Total for Question 1 = 9 marks)



2 Study Figure 2.

(a) Which natural hazard affects most people in Africa?

(1)

(b) Suggest how famine **in Africa** may result from

(4)

1 floods

2 drought

(c) Describe some possible impacts of climate change on farming in Africa.

(3)



(d) Suggest reasons why increasing numbers of the world's people are affected by floods.

(4)

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(Total for Question 2 = 12 marks)



3 Study Figure 3.

(a) What was the observed ice loss between 1950 and 2000?

(1)

Put a cross in the correct box.

- A** 2.4 million square kilometres
- B** 3.8 million square kilometres
- C** 4.0 million square kilometres
- D** 4.2 million square kilometres
- E** 42 million square kilometres

(b) Describe differences between the recorded and predicted changes in summer sea ice from 1950.

(3)

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(c) Suggest reasons for the differences you have described in (b).

(4)

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(d) Identify some **natural** causes that have led to past climate change.

(4)

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(Total for Question 3 = 12 marks)



4 Study Figure 4.

(a) Describe the distribution of rapidly-growing urban areas.

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(b) Suggest reasons why rapid urbanisation is taking place in countries such as China.

(4)

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(c) Using examples, explain why recent arrivals in megacities often live in very poor conditions.

(4)

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(Total for Question 4 = 11 marks)



5 Study Figure 5.

(a) (i) Identify the largest capacity flow.

(1)

Put a cross in the correct box.

- A** North America – Africa
- B** Europe – Africa
- C** North America – Europe
- D** South America – North America
- E** South America – Europe

(ii) Explain why some places shown in Figure 5 are better connected than others.

(4)

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(b) In what ways do transport and communications technology create a 'shrinking world'?

(4)

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(Total for Question 5 = 9 marks)



6 Study Figure 6.

(a) What is the projected increase in the UK's population size?

(1)

Put a cross in the correct box.

- A 1.2 million
- B 4.0 million
- C 8.0 million
- D 10.0 million
- E 12.5 million

(b) Suggest reasons why the increase shown is most likely to come from economic migration.

(4)

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(c) Identify **two** reasons why some areas of the UK are more attractive than others for economic migrants.

(2)

1

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2

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(d) Describe the **economic** consequences of migration for eastern European **source** countries.

(5)

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(Total for Question 6 = 12 marks)

TOTAL FOR SECTION A = 65 MARKS



SECTION B

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

*7 Study Figure 7.

(a) Suggest reasons why these earthquakes had such varied consequences. (10)

(b) Explain the distribution of the world's major geophysical hazards. (15)

(Total for Question 7 = 25 marks)

*8 Study Figure 8.

(a) Suggest reasons why a larger temperature rise is likely to increase the severity of environmental impacts. (10)

(b) Explain how different players can attempt to limit greenhouse gas emissions. (15)

(Total for Question 8 = 25 marks)

*9 Study Figure 9.

(a) Suggest why different groups of people may have different views about the need for a 'greener Christmas'. (10)

(b) Explain how **ethical** purchasing strategies, such as Fair Trade, can play a part in creating a more equitable (equal) world. (15)

(Total for Question 9 = 25 marks)

*10 Study Figure 10.

(a) Suggest what this survey shows about changes in the structure and characteristics of British families after 1960. (10)

(b) Explain the geographical challenges resulting from a greying population. (15)

(Total for Question 10 = 25 marks)



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Handwriting practice area with 25 horizontal dotted lines.



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

