

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
TOTAL	



General Certificate of Education
Advanced Subsidiary Examination
June 2015

General Studies (Specification B)

GENB2

Unit 2 Space

Friday 22 May 2015 1.30 pm to 3.00 pm

For this paper you must have:

- a Source Booklet (enclosed).
- You may use a calculator.

Time allowed

- 1 hour 30 minutes

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 90.
- You will be marked on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.
- All questions should be answered in continuous prose.

Advice

- Where appropriate, use examples to illustrate your answers.
- The recommended time allocation for this examination is as follows:
 - Question 1: 30 minutes
 - Question 2: 30 minutes
 - Question 3: 30 minutes.



J U N 1 5 G E N B 2 0 1

Sources A to E are provided in the enclosed Source Booklet.

Answer **all** questions in the spaces provided.

1 Question 1 refers to Sources A and B.

1 (a) (i) Using the data in Source A, describe **one trend** in UK gas **production** during the period 2000–2020.

Show appropriate calculations to support your answer.

[3 marks]

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1 (a) (ii) Give **one** reason to explain this trend.

[2 marks]

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1 (b) (i) Using the data in **Source A**, describe **one change** in UK gas **demand** during the period 2000–2020.

Show appropriate calculations to support your answer.

[3 marks]

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1 (b) (ii) Give **one** reason to explain this change.

[2 marks]

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Question 1 continues on the next page

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1 (c) (i) Using the data in **Source B**, describe **one trend** in UK carbon dioxide (CO₂) emissions from electricity generation from **coal** between 1992 and 2012.

Show appropriate calculations to support your answer.

[3 marks]

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1 (c) (ii) Give **one** reason to explain why that trend might have occurred.

[2 marks]

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1 (d) (i) Using the data in **Source B**, describe **one trend** in UK carbon dioxide (CO₂) emissions from electricity generation from **gas** between 1992 and 2012.

Show appropriate calculations to support your answer.

[3 marks]

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1 (d) (ii) Give **one** reason to explain why that trend might have occurred.

[2 marks]

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Question 1 continues on the next page

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1 (e) Discuss the view that we should develop renewable fuels and energy supplies rather than rely on fossil fuels and nuclear power.

[10 marks]

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2 (b) Why might some people prefer public art to reflect the history and traditions of their local area (**Source D**)?

[10 marks]

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3 Using **Source E** and your own knowledge, answer the following questions.

3 (a) Why might some people argue that it would be better to expand Britain's regional airports rather than Heathrow and Gatwick?

Give examples to support your points.

[15 marks]

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3 (b) Why might some people argue that further expansion at Heathrow and Gatwick would be a better solution to Britain's growing need for airport capacity?

Give examples to support your points.

[15 marks]

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END OF QUESTIONS

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