Oxford Cambridge and RSA

Thursday 12 June 2025 – Morning

GCSE (9–1) Geography A (Geographical Themes)

J383/03 Geographical Skills

Time allowed: 1 hour 30 minutes

You must have:
- the Resource Booklet (inside this document)

You can use:
- a ruler (cm/mm)
- a scientific or graphical calculator

Please write clearly in black ink. **Do not write in the barcodes.**

Centre number | | | | | | Candidate number | | | | |

First name(s) _____

Last name _____

INSTRUCTIONS
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined page at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION
- The total mark for this paper is **80**.
- The marks for each question are shown in brackets **[ ]**.
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- Spelling, punctuation and grammar (SPaG) and the use of specialist terminology will be assessed in questions marked with a pencil (✎).
- This document has **16** pages.

ADVICE
- Read each question carefully before you start your answer.

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Section A

Geographical Skills

1

(a) Look at **Fig. 1** in the Resource Booklet.

(i) Identify **two** renewable sources of energy which have seen global growth in **Fig. 1**.

A HEP and solar power
B HEP and wind power
C Solar and gas
D Solar and wind power

Write the correct letter in the box. ☐ **[1]**

(ii) Which source of renewable energy saw record growth in China?

..... **[1]**

(iii) Using **Fig. 1**, identify **two** benefits of the increased capacity in renewable energy.

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2 .....

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[2]

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(b) Look at **Fig. 2** in the Resource Booklet.

(i) Which graphical technique is being used to display this information?

A Dispersion graph
B Histogram
C Line graph
D Vertical Bar graph

Write the correct letter in the box. ☐ **[1]**

(ii) Describe the **changes** in renewable energy generation between 2020 and 2022.

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..... **[4]**

(iii) Suggest **one** reason for the pattern of change in renewable energy generation in **Fig. 2**.

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..... **[1]**

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(c) The table below shows trends in UK trade in non-renewable energy during 2022.

	Imports %	Exports %
Coal	+33	-56
Crude Oil	+63	-6
Gas	+11	+145
Petroleum	+9	+34

(i) Calculate the **mean** percentage change in imports.

You **must** show your working.

..... % **[2]**

(ii) Calculate the **difference** in the percentage change of coal and gas exports.

You **must** show your working.

..... % **[2]**

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"To reduce our reliance on imports we must fully use our North Sea gas supplies."

(d)* To what extent do you **agree** that reducing UK energy imports is **more** important than moving away from non-renewable energy?

Use **any resource from Question 1** and your own understanding to answer.

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2 Look at **Fig. 3** in the Resource Booklet.

(a) Which of the countries has the **highest** child mortality?

A Mali
B Niger
C Pakistan
D Solomon Islands

Write the correct letter in the box. ☐ **[1]**

(b) Using the trends from the graph in **Fig. 3**, what would be the **most** likely child mortality for a country with a natural increase of 4%?

A 1%
B 3%
C 5%
D 12%

Write the correct letter in the box. ☐ **[1]**

Fig. 3 uses proportional symbols to display some of its information.

(c) Using data from the graph, explain what the proportional symbols show.

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Look at **Fig. 3** in the Resource Booklet.

(d) Describe the relationship between natural population increase and child mortality.

Use information from **Fig. 3** in your answer.

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(e) Suggest **one** reason for the relationship shown in **Fig. 3**.

Explain your answer.

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..... **[3]**

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3 Look at **Fig. 4** in the Resource Booklet.

Fig. 4 uses choropleth shading to represent patterns of world population growth.

(a) State **one** reason why a choropleth map like **Fig. 4** can be inaccurate.

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..... **[1]**

(b) Using information from **Fig. 4**, state whether country **A** or **B** is more likely to be a Lower Income Developing Country (LIDC).

Justify your choice.

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(c) Describe the pattern of world population growth seen in **Fig. 4**.

Use data in your answer.

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Look at the extract below.

Cities must prepare for climate migration

As climate change impacts the world, migration will increase. Urbanisation is a key impact of climate change, as people seek both work and safety in cities.
Rapid growth, poor infrastructure, limited vegetation, and high numbers of people make cities vulnerable to climate change hazards. Low-income populations are particularly at risk as they often live in high-risk areas and have limited means to recover. In many of the most affected regions, cities lack adequate housing, infrastructure, education, food, water, and health facilities to adapt to rapid population growth.

(d) Assess whether climate migration will have a **greater** impact on the growth and character of LIDC/EDC cities or on cities in the UK.

Use the extract and your own understanding.

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Section B

Geographical Fieldwork

4 Some Geography students have been conducting **human geography** fieldwork in London. They were investigating the impact of urban redevelopment.

Look at **Fig. 5a** in the Resource Booklet.

(a) Suggest **one** way that the data collected might be improved.

..... **[1]**

Look at **Fig. 5b** in the Resource Booklet.

(b) Select an **alternative** way that this data might be presented.

Justify your choice.

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Look at **Fig. 6** in the Resource Booklet.

(c) Identify **two** features in the photograph that show the site's environmental quality.

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[2]

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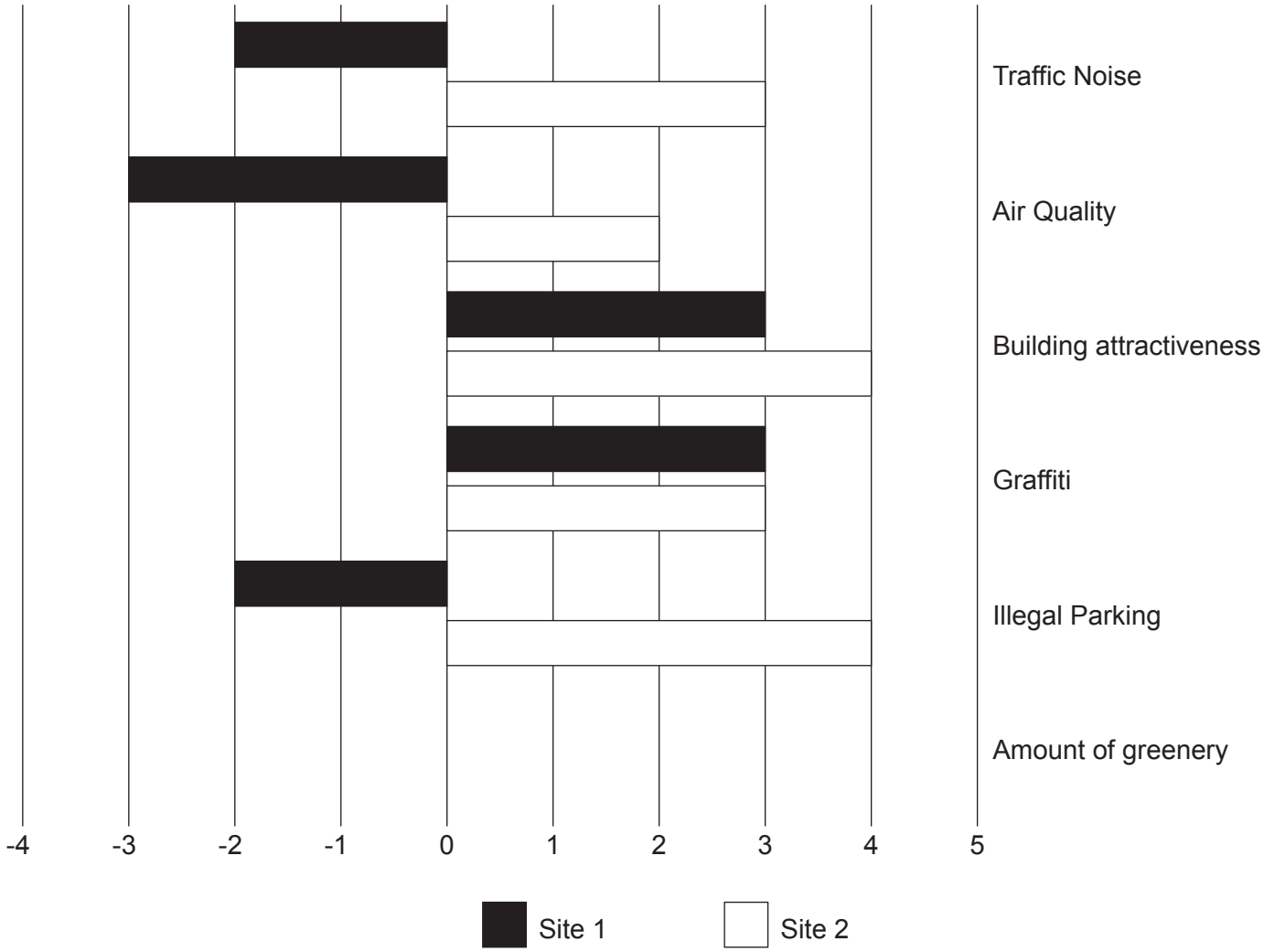
(d) The students completed environmental surveys at two sites.

Environmental Quality	Site 1	Site 2
Traffic Noise	–2	3
Air Quality	–3	2
Building attractiveness	3	4
Graffiti	3	3
Illegal Parking	–2	4
Amount of greenery	–1	3

–5 most negative score
+5 most positive score

The results of the environmental surveys are shown in the graph below.

Environmental Quality at sites 1 and 2



(i) **Complete** the Environmental Quality graph above to show the Amount of Greenery at sites 1 and 2. **[2]**

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(ii) State whether **Fig. 6** is a photograph of site 1 or 2.

Justify your choice.

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(e) Using evidence from **all** the fieldwork data provided, examine whether urban redevelopment has had a **positive** impact on the area studied.

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..... **[6]**

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5 You will have taken part in fieldwork in a **physical geography** environment. Examples might include a river or coastal study.

State your fieldwork question for investigation: .....

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Location of study area: .....

(a) Evaluate **two** fieldwork techniques used in your investigation.

Fieldwork technique 1 .....

Fieldwork technique 2 .....

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(b)* Assess the strength of the conclusions reached in your investigation.

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✎ Spelling, punctuation and grammar and the use of specialist terminology **[3]**

END OF QUESTION PAPER

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EXTRA ANSWER SPACE

If you need extra space use this lined page. You must write the question numbers clearly in the margin.

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