OCR
Oxford Cambridge and RSA

Friday 14 June 2024 – 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 pages 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 **one** way the global food system is **damaging** our planet according to **Fig. 1**.

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

(ii) State the **percentage** of UK greenhouse gases produced by agriculture as a decimal.

A 0.01
B 0.10
C 1.00
D 10.0

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

(iii) Using **Fig. 1**, suggest **one** reason why farming practices will have to **change**.

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

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

(i) Suggest **one** way the presentation of information in **Fig. 2** might be **improved**.

Explain your answer.

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

(ii) Which of the following world regions in **Fig. 2** will see the largest decrease in crop yields?

A East Africa
B Europe
C North America
D West Africa

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

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

(c) Describe the **pattern** of seafood consumption.

Use **data** in your answer.

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

(d) Look at the table below, showing the UK fish trade in 2018 and 2019.

	Imports (thousand tonnes)	Exports (thousand tonnes)
2018	674	448
2019	721	452

(i) Calculate the percentage increase in **imports** between 2018 and 2019.

You **must** show your working.

Give your answer to **two** decimal places.

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

(ii) Suggest **two** reasons for the **differences** in imports and exports of fish shown in the table above.

1 .....

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2 .....

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[2]

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Look at the table below, which shows changes to UK climate and weather events as a result of climate change.

	Changes in intensity or frequency so far	Is this linked to climate change?	What is expected in the future?
UK warm spells	Increase	Yes	Increase
UK cold spells	Decrease	Yes	Decrease
UK heavy rain	Increase	Uncertain	Increase
UK dry spells	No trend found	Uncertain	Increase (summer)
UK wind storms	No trend found	Uncertain	Increase

'Global climate change is likely to have a greater impact on UK food supply in the future.'

(e)* To what extent do you agree with this statement?

Use the table above and your own understanding to answer.

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..... **[8]**

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2

(a) Look at **Fig. 4** in the Resource Booklet.

(i) Name the **mapping technique** used to show the number of doctors per 1000 people.

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

(ii) Which region of the world had the **fewest** doctors per 1000 people?

A Central Africa
B Europe
C North America
D South America

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

(iii) Suggest **two** reasons for the patterns shown in **Fig. 4**.

1 .....

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[2]

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(b) The table below shows the number of doctors per 1000 people for South American countries.

Country Name	Doctors per 1000 people
Argentina	4.0
Bolivia	1.6
Brazil	2.2
Chile	2.6
Colombia	2.2
Peru	1.3
Paraguay	1.4
Suriname	1.2
Uruguay	5.1

(i) Calculate the **mean** number of doctors per 1000 people.

You **must** show your working.

Give your answer to **one** decimal place.

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

(ii) Calculate the **upper quartile value** of doctors per 1000 people.

You **must** show your working.

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

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

(a) Which country has the **highest** migrant share of its total population?

A Kuwait
B Switzerland
C United Arab Emirates
D United States

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

(b) Suggest **one** alternative way that the data in **Fig. 5** might be displayed.

Justify your choice.

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

(c) Look at **Fig. 6** in the Resource Booklet.

(i) Which age group has the **most** migrants from LIDCs?

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

(ii) Suggest **two** reasons for the differences between ACs and LIDCs shown in **Fig. 6**.

1 .....

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2 .....

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[2]

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(d) Look at **Fig. 7a** in the Resource Booklet.

(i) Using **Fig. 7a**, identify **one** piece of evidence that suggests that Mumbai is a city in an EDC.

Piece of evidence .....

Give reasons for your answer.

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

(ii) Assess the impact international migration has had on cities.

Use **Fig. 7a**, **Fig. 7b** and your own understanding to answer.

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Section B

Geographical Fieldwork

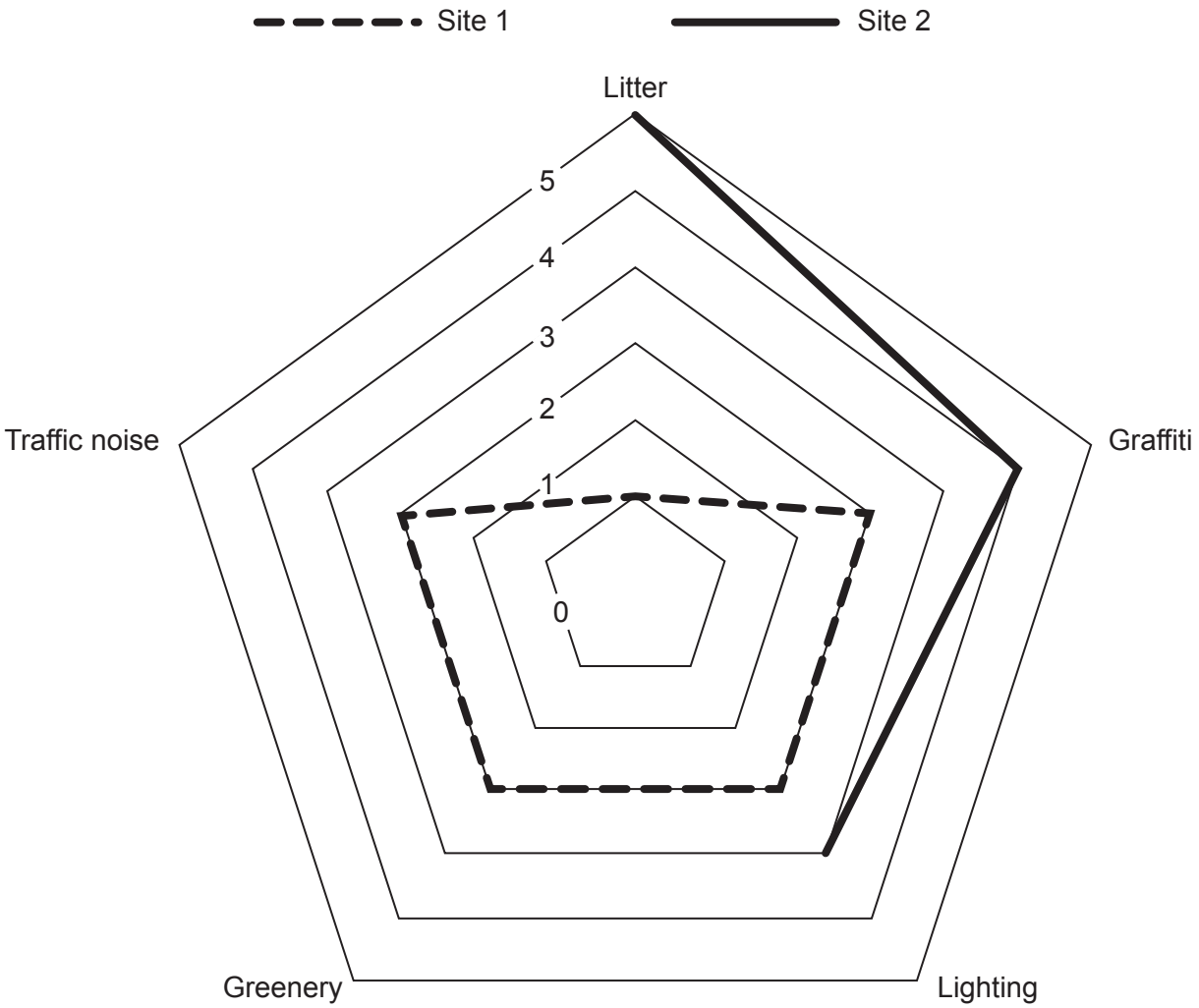
4 Geography students have conducted **human geography** fieldwork in Bramhope, West Yorkshire. They were investigating the effects of counter-urbanisation.

The table below shows the results of two environmental surveys.

	Litter	Graffiti	Lighting	Greenery	Traffic noise	1= high environmental quality 5= low environmental quality
Site 1	1	2	2	2	2	
Site 2	5	4	3	2	4	

(a)
(i) **Complete** the radial graph below to show the results of the data collection for **Site 2**.

Environmental Survey results



[2]

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(ii) State **two** findings that the students might suggest from the data collected in the table and radial graph.

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[2]

(iii) Suggest **one** other way that this data might be presented.

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

Look at **Fig. 8** in the Resource Booklet.

(b) Identify **three** features of the environmental quality in this photograph.

1 .....

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[3]

The students also wanted to compare the opinions of twenty local people about the new housing estate.

(c) Describe **one** method of sampling data that the students could use in their investigation.

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

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Look at **Figs. 8**, **9a** and **9b** in the Resource Booklet and the environmental surveys on page 10 in this question paper.

The students concluded that the 'new housing development has had a **positive** impact on the village of Bramhope'.

(d) Assess whether the conclusion they reached was **correct** for this investigation.

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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 area.

Fieldwork title: .....

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Location of fieldwork: .....

(a) To what extent has knowledge of a relevant geographical case study or theory helped you **analyse** data for your investigation?

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(b)* Evaluate the different techniques used to **collect** your fieldwork data.

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✎ Spelling, punctuation and grammar **[3]**

END OF QUESTION PAPER

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EXTRA ANSWER SPACE

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

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