

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



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Please write clearly in black ink. Do not write in the barcodes.						
Centre number				Candidate number		
First name(s)						
Last name						

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INSTRUCTIONS

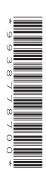
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

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.	[1]
	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.	
(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.	
		[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]

Look at Fig. 3 in the Resource Booklet.

Describe the pattern of seafood consumption.					
Use data in your answer.					
			[4]		
Look at the table below	, showing the UK fish trade in 20	18 and 2019.			
	Imports (thousand tonnes)	Exports (thousand tonnes)			
2018	674	448			
2019	721	452			
Calculate the percentag	ge increase in imports between 2	2018 and 2019.			
You must show your we	orking.				
Give your answer to tw	o decimal places.				
			0/		
			% [2]		
Suggest two reasons for	or the differences in imports and	exports of fish shown in the table	e above.		
1					
2					
			[2]		
	Look at the table below 2018 2019 Calculate the percentage You must show your we Give your answer to twe Suggest two reasons for 1	Look at the table below, showing the UK fish trade in 20 Imports (thousand tonnes) 2018 674 2019 721 Calculate the percentage increase in imports between 2 You must show your working. Give your answer to two decimal places. Suggest two reasons for the differences in imports and 1	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 Calculate the percentage increase in imports between 2018 and 2019. You must show your working.		

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.						
	[8]						

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	
	2	
		[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

	Uruguay	5.1	
(i)	Calculate the mear	number of doctors per 1000	people.
	You must show you	ur working.	
	Give your answer to	o one decimal place.	
/ii\	Calculate the uppe	r quartile value of doctors p	or 1000 pooplo
(ii)	Calculate the uppe	i qualtile value of doctors po	ii 1000 people.

......[3

You **must** show your working.

7

3	Loo	ok at Fig. 5 in the Resource Booklet.	
(a)	Wh	ich country has the highest migrant share of its total population?	
	A B C D	Kuwait Switzerland United Arab Emirates United States	
	Wri	ite the correct letter in the box.	[1]
(b)	Sug	ggest one alternative way that the data in Fig. 5 might be displayed.	
	Jus	etify your choice.	
			. [3]
(-)		alvet Fig. 6 in the December Decklet	
(c)		ok at Fig. 6 in the Resource Booklet.	
(i)	VVII	ich age group has the most migrants from LIDCs?	[4]
			. [1]
(ii)	Sug	ggest two reasons for the differences between ACs and LIDCs shown in Fig. 6 .	
	1		
	2		
			[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.
	[3]
(ii)	Assess the impact international migration has had on cities.
	Use Fig. 7a, Fig. 7b and your own understanding to answer.
	[6]

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10 Section B

Geographical Fieldwork

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

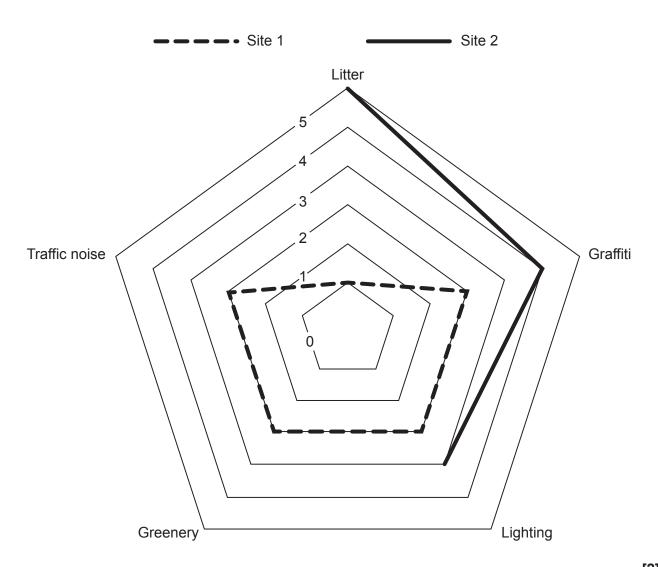
The table below shows the results of two environmental surveys.

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

(a)

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

Environmental Survey results



(ii)	State two findings that the students might suggest from the data collected in the table and radial graph.
	1
	2
	[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
	2
	3 [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.
	[2]

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.
	[6]

5	include a river or coastal area.
	Fieldwork title:
	Location of fieldwork:
(a)	To what extent has knowledge of a relevant geographical case study or theory helped you analyse data for your investigation?
	[e]

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15 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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