

Tuesday 14 June 2022 – Morning GCSE (9–1) Geography A (Geographical Themes)

J383/03 Geographical Skills

Time allowed: 1 hour 20 minutes

You must have:

- the OS Map
- the Resource Booklet (inside this document)

You can use:

- a ruler (cm/mm)
- · a scientific or graphical calculator



Please write cle	arly in	black	k ink.	Do no	ot writ	e in the barcodes.			
Centre number						Candidate number			
First name(s)									
Last name									

INSTRUCTIONS

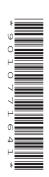
- Use black ink. You may use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- · Answer all the questions.

INFORMATION

- The total mark for this paper is 65.
- 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.



Section A - Geographical Skills

Answer all the questions.

Study the separate Ordnance Survey (OS) map extract of the area to the south of Shrewsbury.

	•		
(a)	(i)	In which direction does the A458 travel if you were driving towards Shrewsbury?	
			[1]
	/!! \	MILL III (11.4 1.4 4.4 4.4 6.4 1.4 1.4 50440	

- (ii) Which building of historic interest is found in grid square 5211?
 - A Boreton Grange
 - **B** Emstrey

1

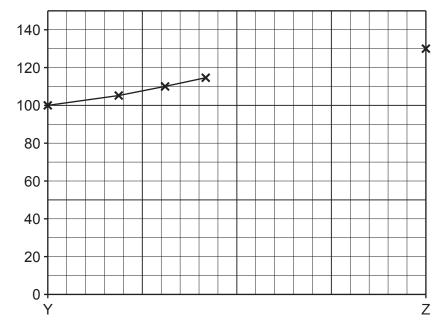
- C Longner Hall
- D Raven's Nest

Write the correct letter in the box. [1]

- (iii) Approximately how far would you travel along the A5 from the roundabout at grid reference 488097 to the roundabout at grid reference 521107?
 - **A** 0.3 km
 - **B** 1.5 km
 - **C** 3.3 km
 - **D** 5.5 km

Write the correct letter in the box. [1]

- **(b)** Study **Fig. 1** in the separate Resource Booklet, which shows an enlargement of grid square 4708 on the OS map extract.
 - (i) Use Fig. 1 to complete the cross-section below of line YZ. [1]
 - (ii) Mark your line with an 'S' to show the location of the Shropshire Way on your cross-section.



Height above sea level (m)

(c)		dy Fig. 2 in the separate Resource Booklet, which shows a photograph of a stone quarry r Bayston Hill.
	(i)	In which direction was the camera pointing when the photograph was taken?
		[1]
	(ii)	Using evidence from the OS map extract, describe the location of the stone quarry.
		[2]
(d)	Bay	ston Hill is an example of counter-urbanisation.
		ng the OS map extract, explain two reasons why counter-urbanisation has taken place in location.
	1	
	2	
		[4]

- (e) Some environmental guidelines for housing developers in Bayston Hill are shown below:
 - A review of traffic and air quality concerns should be carried out.
 - The river running alongside the development should maintain its current habitats.
 - Trees and hedgerows on the site should be kept in place.
 - Housing development should be limited to areas which ensure there is no increase in flood risk.

Assess how far housing developments have been the main cause of UK environmental

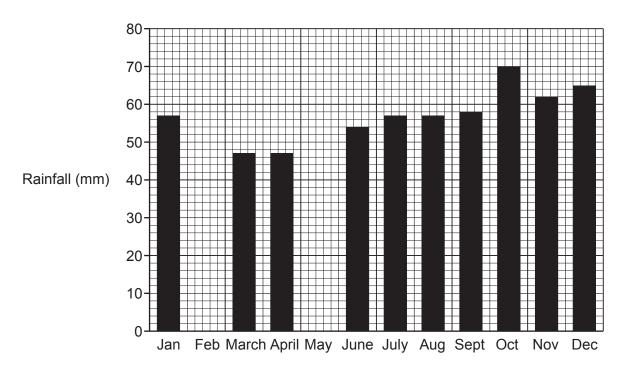
change.
You could consider energy, farming and/or water supply in your answer.
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2 (a) Study the bar chart below, which shows average monthly rainfall in Shrewsbury, a town in England.



(i) Complete the rainfall graph using the information in the table below.

Month	Rainfall (mm)
February	40
May	55

(ii)	State the mode of the rainfall values.	
		[4

[2]

(iii) Calculate the mean of the rainfall values to two decimal places (2dp).Show your working below.

.....[2]

(b)	Des	cribe the pattern of rainfall shown. Use data in your answer.
		[4]
(c)		dy Fig. 3 in the separate Resource Booklet, which shows the River Severn in ewsbury.
	(i)	Identify one feature in Fig. 3 which suggests Shrewsbury residents will be vulnerable to flood events. Explain your answer.
		[2]
	(ii)	Suggest why photographs can sometimes show bias.
		[2]

	-	g. 4 in the separate Resource Booklet, which shows the population of the world's ten irban areas over time.	
(a)	lder 203	ntify the urban area forecast to have the greatest population change between 1990 and 0.	
		[1]
(b)	Whi 203	ich of the following urban areas is forecast to see a population decline between 2018 ar 0?	ıd
	A B C D	Delhi Mexico City Osaka Shanghai	
	Wri	te the correct letter in the box.	1]
(c)	Sug	gest reasons for the difference in the rate of urban change between Tokyo and Delhi.	
		[3]
(d)		dy Fig. 5 in the separate Resource Booklet, which shows information about urban areas ldwide.	}
	(i)	Suggest one reason for the distribution of megacities shown in Fig. 5 .	41
	(ii)	Suggest two ways the presentation of this information might be improved.	1]
		1	
		2	
		[2]

(e)*	To what extent do you agree that the challenges faced by cities are the same all over the world?
	[8]

Section B – Geographical Fieldwork

Answer **all** the questions.

4 Some Geography students have been conducting human geography fieldwork in the Bristol area.

They were investigating the impact of internet shopping on retail in the city centre and chose to complete a questionnaire of local residents.

	Qu	estionnaiı	re of local	residents	internet	vs city ce	ntre shop	ping		
Question Do you d		hopping o	on the inte	ernet or in	Bristol cit	y centre?				
	0–18 ye	ars		18–6	5 years		6	5 years +		
Internet City centre			е	Internet	City centre		Internet	City	City centre	
82%		18%		74%	26%		48%		52%	
- 45	_									
-		ly to buy	these iten	ns online c	or in the ci	ty centre?	(all age g	roups)		
			these iten	ns online o		ty centre?		roups)	fts	
Would y	ou be like								fts City centre	

(a)	The students divided the data for Question 1 into three age groups.	
	Suggest one way that the age groups might be adapted to improve the data collected.	
	[1]
(b)	Describe one way the data for Question 2 of their questionnaire might be presented.	
	Suggest why this would be an appropriate choice.	
	Г	/1 1

Explain one likely challenge for the city of Bristol suggested by the results of their questionnaire.
[2

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Some Geography students have been conducting physical geography fieldwork in the North York Moors national park.
Study Fig. 6 in the separate Resource Booklet, which shows the students' data collection sheet for investigating river features.
Evaluate the effectiveness of the data collection sheet shown in Fig. 6.
[8]
Spelling, punctuation and grammar and the use of specialist terminology [3]
Epolicia, pariotadion and gramma, and the dee of openialist terminology [6]

END OF QUESTION PAPER

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ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).				



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