

Thursday 13 June 2019 – Morning

GCSE (9–1) Geography B (Geography for Enquiring Minds)

J384/03 Geographical Exploration

Time allowed: 1 hour 30 minutes

You must have:

- the OS map (inserted)
- the Resource Booklet (inserted)

You may use:

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



Please write clea	arly in bl	lack ink.	Do no	ot writ	te in the barcodes.		
Centre number					Candidate number		
First name(s)							
Last name							

INSTRUCTIONS

- The separate OS map extract and Resource Booklet will be found inside this document.
- Use black ink. You may use an HB pencil for graphs and diagrams.
- Answer all the questions.
- Write your answer to each question in the space provided. If additional space is required, use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The marks for each question are shown in brackets [].
- Quality of extended responses will be assessed in questions marked with an asterisk (*).
- Spelling, punctuation and grammar and the use of specialist terminology (SPaG) will be assessed in questions marked with a pencil ().
- · This document consists of 12 pages.



Answer all the questions.

1	(a)		dy Fig. 1 in the separate Resource Booklet, map of economic hubs and growth corngland.	ridors
		(i)	Explain what is meant by the term 'economic hub'.	
				[2]
		(ii)	How many growth corridors are shown on the map?	
				[1]
		(iii)	Calculate the distance between the economic hubs of Liverpool and Leeds.	
			km	[1]
		(iv)	Using your own understanding, explain the pattern of core UK economic hubs.	

(b)		dy Fig. 2 in the separate Resource Booklet, data relating to selected economic hubs in land.
	(i)	Using data from Fig. 2 , calculate the difference between the total number of new businesses opening in Liverpool, Manchester and Leeds to those opening in London. Show your working.
		roı
	/···\	
	(11)	Show the average cost of office space per square foot in London compared to Brighton as a ratio in its simplest form.
		London : Brighton
		: [1]
((iii)	Calculate the median number of new businesses opening in the economic hubs in 2016. Show your working.
		[2]

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A 'start-up' is a newly created company that is typically technology orientated and has a high potential for growth. They can be very fast growing and often develop an innovative product.

Study Fig. 3 in the separate Resource Booklet, factors that affect the location of start-up businesses.

Using Fig. 2, Fig. 3 and your own understanding, explain why economic hubs are good locations for new start-up businesses.
[6]

Stud	dy th	e OS map extract , a 1:50 000 scale map of Leeds.
Lee	ds is	a city in West Yorkshire and is an economic hub.
(a)	The	village of Colton is east of Leeds city centre.
	Giv	e the six figure grid reference for the picnic site located in Colton.
		[1]
(b)		dy Fig. 4 in the separate Resource Booklet, a Desire Line map showing where workers in ds city centre live. The map is based on the OS map extract of Leeds.
	(i)	Using Fig. 4 and the OS map extract , which place do the largest number of workers in Leeds city centre commute from?
		[1]
	(ii)	How could you adapt the Desire Line map to make it clearer?
		[1]
(c)*		dy Fig. 5 in the separate Resource Booklet, an extract from a property magazine featuring se of the suburbs of Leeds.
		ne people choose to live in residential areas, often on the edge of cities, known as urbs, and commute to work in Leeds city centre.
	the	ng evidence from the OS map extract , Figs 4 and 5 and your own understanding, discuss reasons why people may choose to live in the suburbs but commute into the city centre work. [12]

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(a)		dy Fig. 6 in the separate Resource Booklet, a fact file on the flooding of the River Aire in ds. The area covered by this map is highlighted on the OS map extract .
	(i)	Give two pieces of evidence from the photographs that suggest the flooding on the South Bank in Leeds affected people.
		[2]
	(ii)	Study Fig. 7 in the separate Resource Booklet, a map showing some of the planned developments on Leeds South Bank. The area covered by this map is highlighted on the OS map extract .
		Using one piece of evidence from Fig. 7 , explain why the South Bank proposal would be beneficial for Leeds.
		[3]
	(iii)	Suggest an alternative way of presenting the plan information shown in Fig. 7.
		[11]

(b)	needed to overcome contemporary challenges that affect life in the city.	nt is
		[6]

Using the information in the separate Resource Booklet, the OS map extract and your own

1.	Evaluate the economic and environmental sustainability of Leeds.	
2.	Suggest one way in which Leeds can attempt to achieve greater long-term sustainability.	
		••••
	[1	12]

Spelling, punctuation and grammar and the use of specialist terminology () [3]

understanding:

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ADDITIONAL ANSWER SPACE

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



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