From summer 2024, the total examination time has changed.

If you intend to use this with students allow them 1 hour 30 minutes.

Please write clearly in block capitals.

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

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

GCSE
GEOGRAPHY

Paper 3 Geographical Applications

Thursday 11 June 2020 Morning Time allowed: 1 hour 15 minutes

Materials

For this paper you must have:
- the Pre-release resources booklet (enclosed)
- a pencil
- a rubber
- a ruler.

You may use a calculator.

Instructions
- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information
- The marks for questions are shown in brackets.
- The total number of marks available for this paper is 76.
- HIC is a higher income country.
- LIC is a lower income country.
- NEE is a newly emerging economy.
- Spelling, punctuation, grammar and specialist terminology will be assessed in Questions **03.1** and **05.4**.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
TOTAL	

Do not write outside the box

For the multiple-choice questions, shade the circle next to the correct answer.

CORRECT METHOD  WRONG METHODS 

If you want to change your answer you must cross out your original answer as shown. 

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. 

Section A Issue evaluation

Answer **all** questions in this section.

Study **Figure 1** in the resources booklet, 'An increasingly urban world'.

0 1 . 1 In which year were global urban and rural populations the same?

Shade **one** circle only.

[1 mark]

A 2004

B 2007

C 2010

D 2013

Do not write outside the box

0 1 . 2 Which of the following statements is correct?

Shade **one** circle only.

[1 mark]

A Latin America/Caribbean is predicted to double its % urban population between 1950–2030 ⬭

B The % urban population in Europe is expected to fall between 2007–2030 ⬭

C By 2030 over 90% of the population in North America will live in urban areas ⬭

D By 2030 Asia will be the continent with the highest % urban population ⬭

0 1 . 3 Explain the link between economic development and urbanisation.

[4 marks]

Extra space

Question 1 continues on the next page

Do not write outside the box

0 1 . 4 Suggest **two** reasons why estimates of future urban population may not be accurate.
[2 marks]

1 _____

_____

2 _____

_____

0 1 . 5 Suggest **one** challenge that urbanisation creates for rural areas.
[2 marks]

_____

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10

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Study **Figure 2** in the resources booklet, 'The growth of slums in LICs and NEEs'.

0 2 . 1 Suggest why cities in LICs and NEEs are often referred to as 'unequal cities'.

[6 marks]

Extra space

Question 2 continues on the next page

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0 2 . 2 Compare levels of access to piped water in urban and rural areas shown in **Figure 2**.

[2 marks]

0 2 . 3 Suggest why it might be helpful to describe the growth of African cities as 'population growth per hour'.

[1 mark]

Do not write outside the box

0 2 . 4 'Urban planners are finding it challenging to keep up with the growth of cities in LICs and NEEs.'

To what extent do you agree with this statement?

[6 marks]

Extra space

15

Turn over for the next question

Do not write outside the box

Study **Figure 3** in the resources booklet, 'Slums of hope or slums of despair?'

0 3 'Slums of hope or slums of despair?'

Which do you think best describes urban slums in LIC/NEE cities?

Use evidence from the resources booklet and your own understanding to support your answer.

[9 marks]
[+3 SPaG marks]

Extra space

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12

End of Section A

Turn over for Section B

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Section B Fieldwork

Answer **all** questions in this section.

A student wanted to carry out a human geography enquiry in their local town by investigating the question 'Does the town centre have a parking problem?'

In order to do this the student carried out primary research, including a questionnaire and a car park survey.

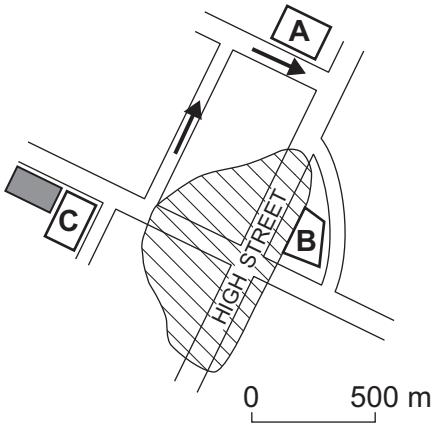
Study **Figure 4**, which shows the results of the questionnaire and car park survey.

Figure 4

Car Park Survey

of the three car parks (**A**, **B** and **C**)

		% full
A	Wednesday 3 pm	32
	Saturday 11 am	63
B	Wednesday 3 pm	74
	Saturday 11 am	91
C	Wednesday 3 pm	52
	Saturday 11 am	75



Questionnaire results (100 people)

Question 1

How did you travel to the town centre today?

Car – 52
Bus – 17
Walked – 27
Others – 4

Question 2

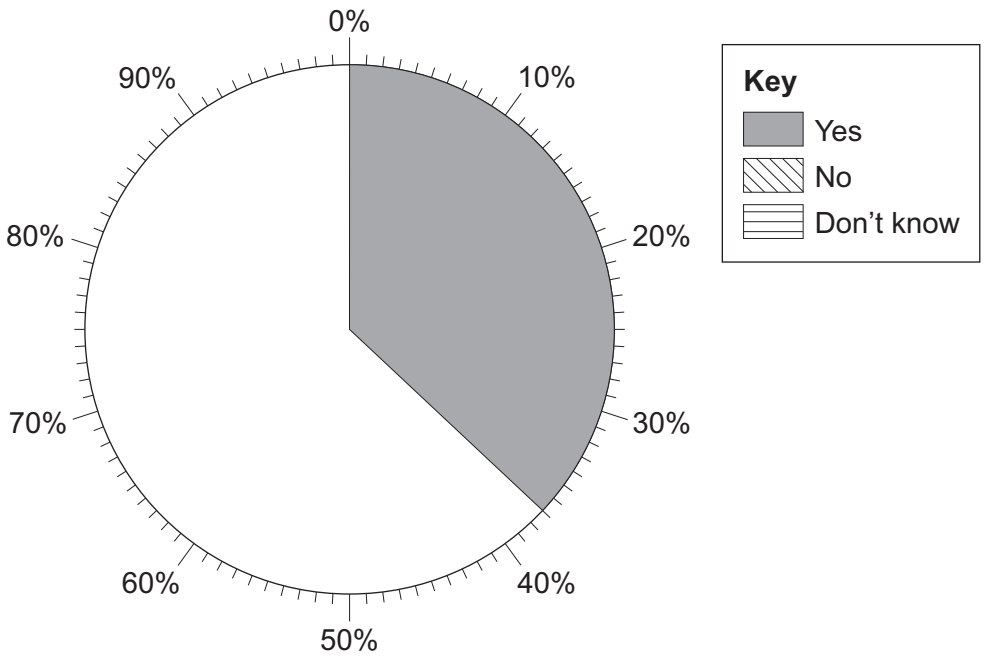
Do you think the town centre has a parking problem?

Yes – 37
No – 21
Don't know – 42

Do not write outside the box

0 4 . 1 Complete the pie chart below to show the results of **Question 2** in the questionnaire (**Figure 4**).

[1 mark]



0 4 . 2 Using **Figure 4**, describe the pattern shown by the results of the car park survey.

[2 marks]

0 4 . 3 To what extent can the student draw reliable conclusions from the data?

[4 marks]

Turn over ▶

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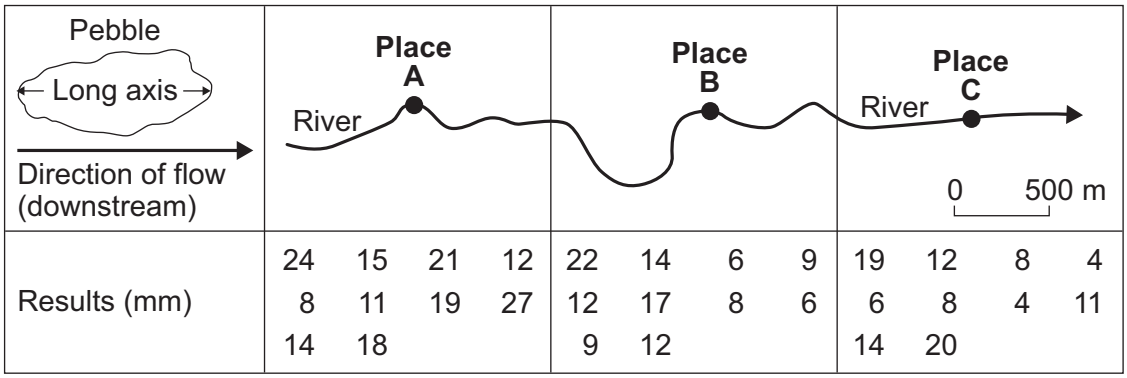
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A group of students wanted to investigate the hypothesis that 'The size of pebbles in a river is smaller as the river flows downstream'.

In order to do this the students measured the long axis of ten pebbles from three different places (**A**, **B** and **C**) along the river.

Study **Figure 5**, a table showing the results of the survey.

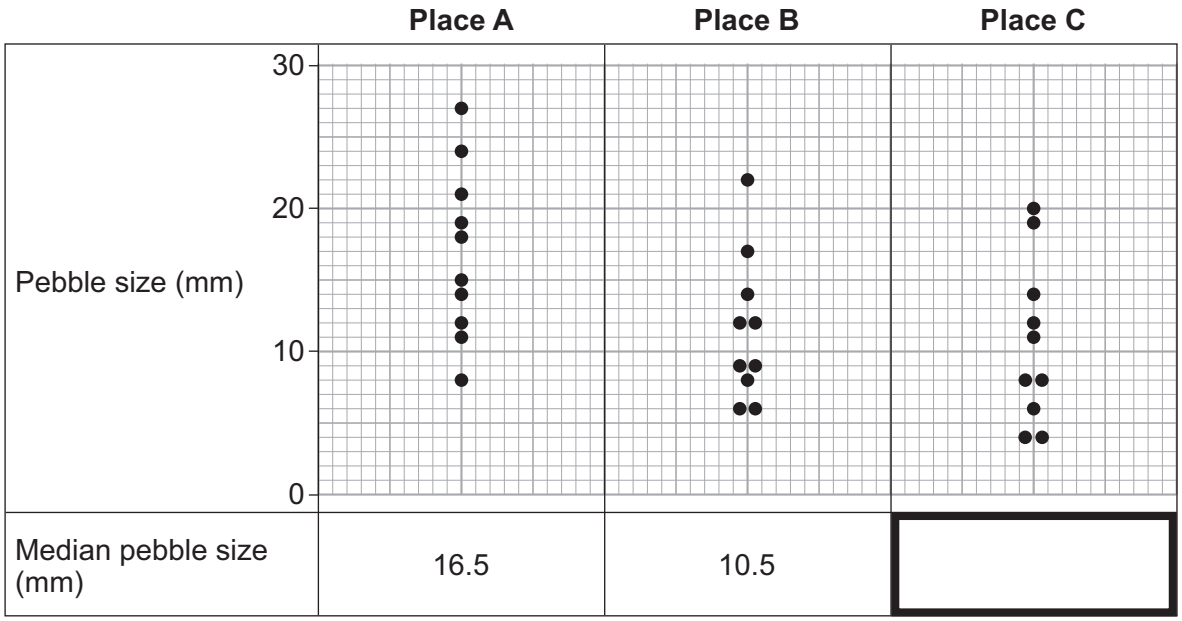
Figure 5



Results (mm)	24	15	21	12	22	14	6	9	19	12	8	4
	8	11	19	27	12	17	8	6	6	8	4	11
	14	18			9	12			14	20		

0 4 . 4 Complete the diagram below by filling in the median pebble size for place **C**.

[1 mark]



Do not write outside the box

0 4 . 5 Outline the conclusions that the students could draw from the data.

[2 marks]

_____

_____

_____

_____

0 4 . 6 Suggest **two** ways that the data collection method could be adapted in order to make it more useful.

[2 marks]

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2 _____

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Question 4 continues on the next page

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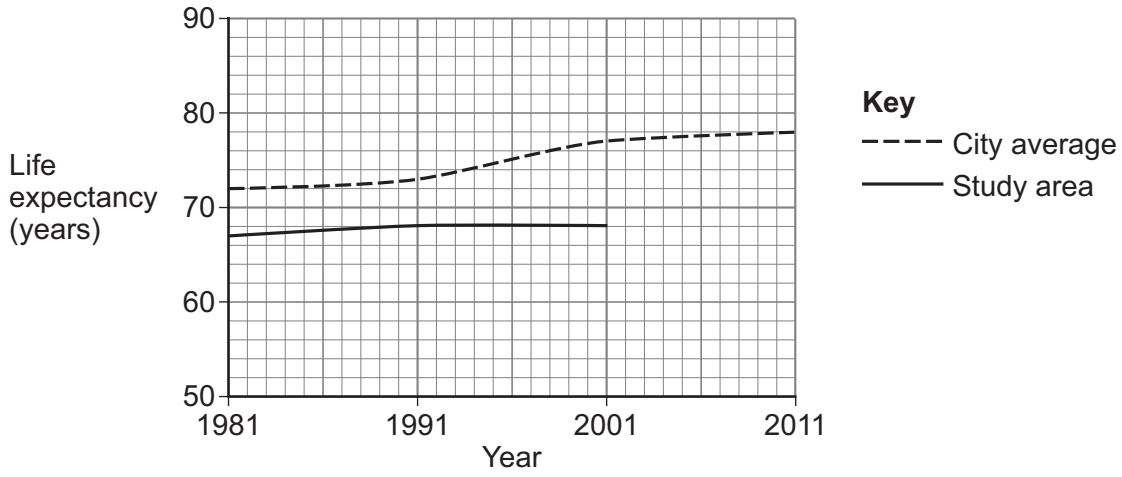
A student wanted to investigate deprivation in an area of a city. As part of their enquiry they used the following secondary data (**Figure 6**).

Figure 6

Life expectancy (years)	**1981**	**1991**	**2001**	**2011**
Study area	67	68	68	70
City average	72	73	77	78

0 4 . 7 Complete the graph below to show life expectancy in the study area.

[1 mark]



0 4 . 8 In 2001, how many years lower was life expectancy in the study area than the city average?

[1 mark]

_____

0 4 . 9 Suggest **two** types of primary data that the student could use in their urban deprivation enquiry.

[2 marks]

1 _____

_____

2 _____

_____

16

Do not write outside the box

0 5 . 1 For **one** of your fieldwork enquiries, suggest how anomalies in your data could affect your fieldwork enquiry.

[2 marks]

Title of fieldwork enquiry _____

_____

_____

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_____

Question 5 continues on the next page

Do not write outside the box

Write the title of your **human** geography fieldwork enquiry.

Title of human fieldwork enquiry _____

_____

0 5 . 2 Justify the use of **one** of the following in your human geography enquiry:

- maps
- photographs
- field sketches.

[3 marks]

_____

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Do not write outside the box

Write the title of your **physical** geography fieldwork enquiry.

Title of physical fieldwork enquiry _____

_____

0 5 . 3 Assess the effectiveness of your data collection method(s).

[6 marks]

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Question 5 continues on the next page

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0 5 . 4 For **one** of your fieldwork enquiries, to what extent did your results and conclusions meet the original aim of your enquiry?

[9 marks]
[+3 SPaG marks]

Title of fieldwork enquiry _____

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23

END OF QUESTIONS

Do not write outside the box

There are no questions printed on this page

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ANSWER IN THE SPACES PROVIDED

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