

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Ordinary Level

GEOGRAPHY 2217/21

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INSERT 2

2 hours 15 minutes

READ THESE INSTRUCTIONS FIRST

Insert 2 contains Figs 8 and 10 and Tables 4 and 5 for Question 7 and Figs 12 and 13 and Tables 6, 7 and 8 for Question 8.

The Insert is **not** required by the Examiner.

This document consists of 8 printed pages.



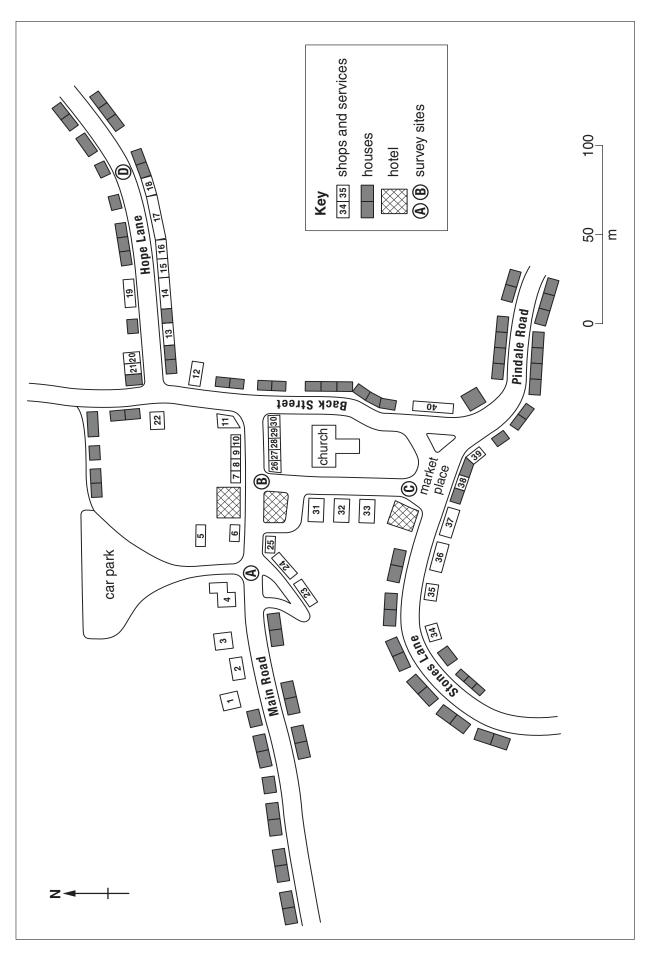


Fig. 8 for Question 7

Key to shops and services

Type of shop or service	Chemist	Restaurant	Gift shop	Café	Book shop	Gift shop	Book shop	Gift shop	Gift shop	Café	Public House	Museum shop	Restaurant	Food Take Away	Flower shop	Restaurant	Food store	Gift shop	Café	Art Gallery
Number on map	21	22	23	24	25	26	27	28	59	30	31	32	33	34	35	36	37	38	39	40
Type of shop or service	Gift shop	Food Take Away	Gift shop	Tourist Information	Sweet shop	Public House	Restaurant	Gift shop	Book shop	Café	Bank	Post Office	Butcher	Food store	Bakers	Sweet shop	Public House	Hairdressers	Food store	Flower shop
Number on map	-	2	ဇ	4	5	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20

Table 4 for Question 7

Classification of shops and services

Customers

Used mainly by tourists	Number	Used mainly by local residents	Number	Used by both tourists & local residents	Number
Art Gallery	1	Baker	1	Flower shop	2
Book shop 3		Bank	1	Food Take Away	2
Café	4	Butcher	1	Public House	3
Gift shop	8	Chemist	1	Sweet shop	2
Museum shop	1	Food store	3		
Restaurant		Hairdresser	1		
Tourist Information	1	Post Office	1		
Total	22	Total	9	Total	9

Fig. 10 for Question 7

Scoring sheet for the survey of the impacts of tourism

Site:

	-2	-1	0	1	2	
Lots of litter						No litter
Noisy						Quiet
Crowded						Few people
Many tourist signs and adverts						No tourist signs and adverts
Lots of tourist buildings						No tourist buildings

Table 5 for Question 7 Results of the survey of the impacts of tourism

	Site A	Site B	Site C	Site D
Litter	-1	-2	-1	0
Noise	-1	-2	-1	2
Crowding	-2	-2	0	2
Tourist signs and adverts	-1	-2	-1	2
Tourist buildings	-1	-2	0	1
Total score	-6	-10	-3	7

Fig. 12 for Question 8

Acid Rain fact file

- Pollutants such as sulfur dioxide and nitrogen oxide are produced by human activity.
 These gases rise into the atmosphere and dissolve in water droplets in the clouds.
- This makes the water droplets become weak acid that later falls as acid rain.
- The acidic water droplets are blown by the prevailing wind so the effects of acid rain occur in different areas to those where the gases are created.
- The strength of acid rain is measured on the pH scale.

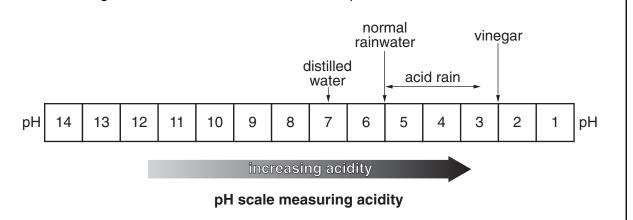
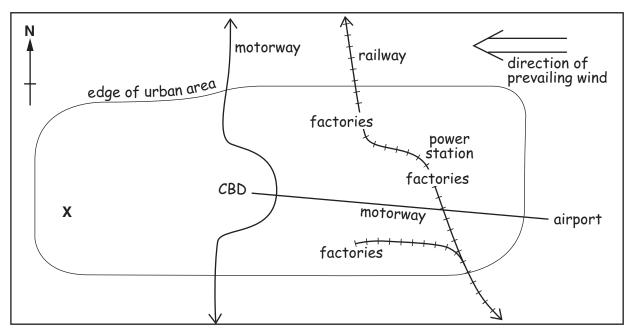


Fig. 13 for Question 8

Sketch map of the area where the students live (not to scale)



Key

CBD Central Business District

X position of students' school

Table 6 for Question 8

Data log of six selected days during the recording period

Date	Time	Wind direction	Rainfall(mm)	pH value
2-April-09	16.00	East	5	4.4
3-April-09	16.30	South East	12	5.0
29-May-09	20.00	West	0	Not recorded
30-May-09	15.00	North West	Trace	Not recorded
26-July-09	16.00	East	20	4.7
27-July-09	13.30	North East	10	5.0

Table 7 for Question 8

Results of acid rain investigation (wind and pH)

Direction from which wind is blowing	Number of days wind comes from this direction	Average pH reading
North	6	4.9
North East	20	4.5
East	30	4.3
South East	21	4.9
South	14	5.1
South West	12	5.5
West	10	5.7
North West	7	5.2

Table 8 for Question 8 Results of acid rain investigation (dry days and pH)

Number of dry days before rainfall	Average pH reading
10	4.3
9	4.6
8	4.7
7	5.0
6	4.9
5	5.3
4	5.1
3	5.5
2	5.7
1	5.9
0	5.7

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