



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

GEOGRAPHY

0460/41

Paper 4 Alternative to Coursework

October/November 2012

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Figs 1, 2 and 7, Tables 1, 2, 3 and 4 and Photograph A for Question 1 and Figs 8, 9 and 10 for Question 2.

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

This document consists of **10** printed pages and **2** blank pages.



Fig. 1 for Question 1

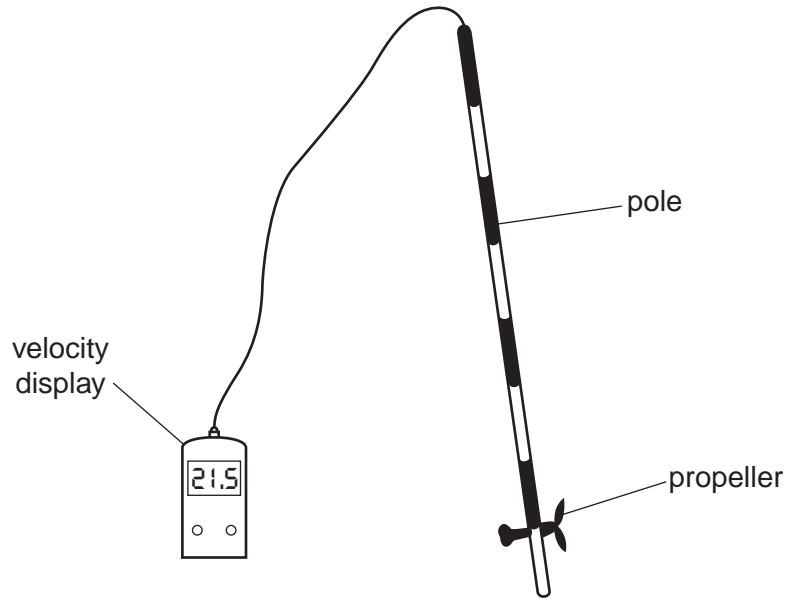
Recording chart

Distance from left bank (m)	Depth (m)
0.0	
0.2	
0.4	
0.6	
0.8	
1.0	
1.2	
1.4	
1.6	
1.8	
2.0	
2.2	
2.4	
2.6	
2.8	
3.0	

3

Fig. 2 for Question 1

Diagram of flowmeter



Photograph A for Question 1



Table 1 for Question 1

Width and depth (straight section)

Distance from left bank (m)	Depth (m)
0.0	0.00
0.2	0.08
0.4	0.18
0.6	0.24
0.8	0.26
1.0	0.26
1.2	0.28
1.4	0.29
1.6	0.26
1.8	0.24
2.0	0.26
2.2	0.24
2.4	0.20
2.6	0.15
2.8	0.10
3.0	0.00

Table 2 for Question 1

Velocity (straight section)

	Position in channel		
	Left side	Middle	Right side
Test 1	25	18	27
Test 2	26	19	23
Test 3	26	20	27
Test 4	33	20	25
Test 5	27	18	23
Average (mean) time	27.4	19	25
Average velocity (metres per sec)	0.36	0.53	0.40

Table 3 for Question 1

Width and depth (meander)

Distance from left bank (m)	Depth (m)
0.0	0.00
0.2	0.19
0.4	0.27
0.6	0.40
0.8	0.47
1.0	0.59
1.2	0.58
1.4	0.61
1.6	0.66
1.8	0.67
2.0	0.60
2.2	0.56
2.4	0.47
2.6	0.22
2.8	0.00

Table 4 for Question 1

Velocity (meander)

	Position in channel		
	Inside	Middle	Outside
Test 1	17	15	14
Test 2	14	16	14
Test 3	13	14	12
Test 4	16	13	12
Test 5	15	13	13
Average (mean) time	15	14.2	13
Average velocity (metres per sec)	0.66	0.70	0.77

Fig. 7 for Question 1

Results of boys' fieldwork on measurement of river velocity

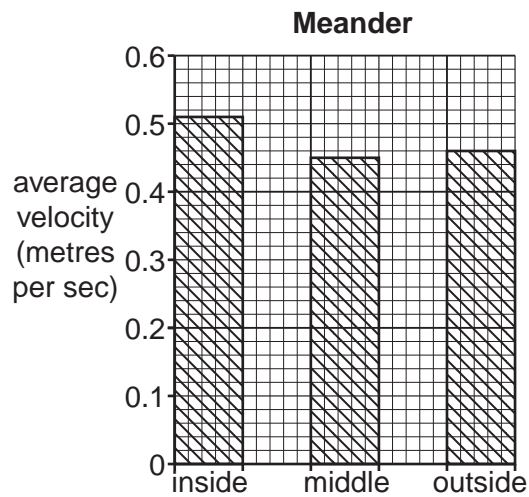
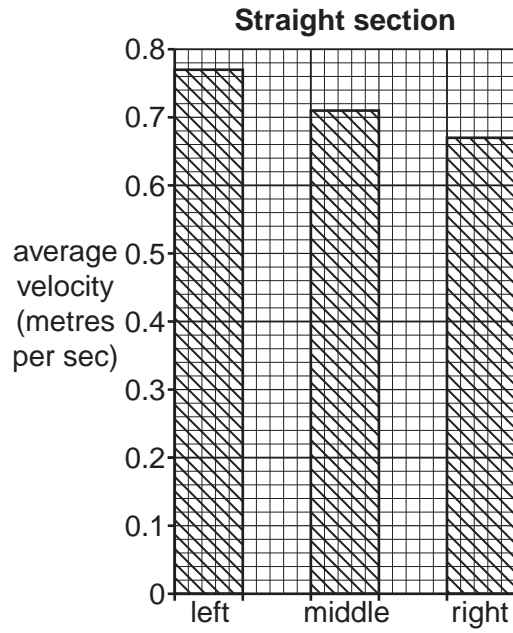
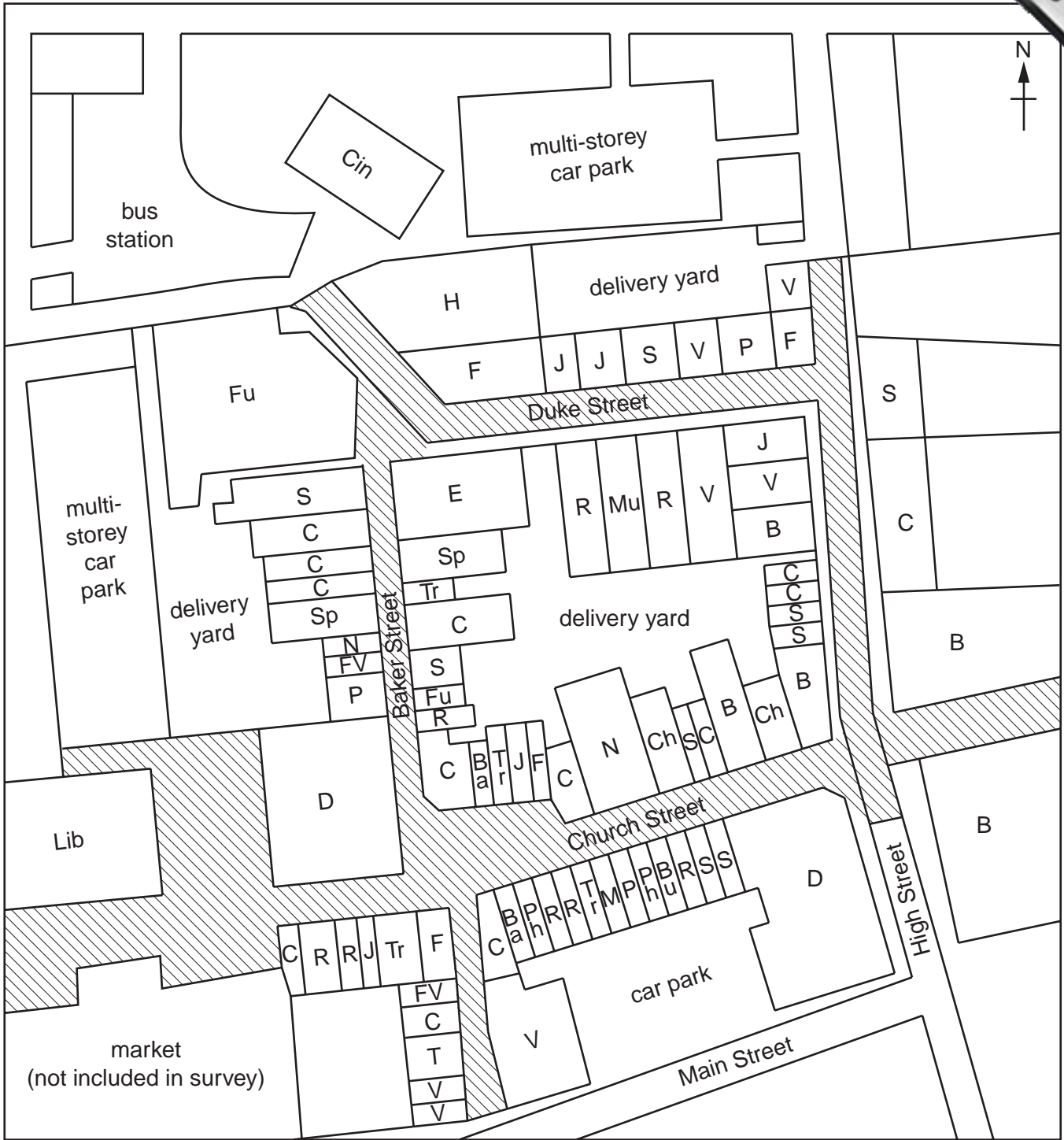


Fig. 8 for Question 2

Land use in the CBD



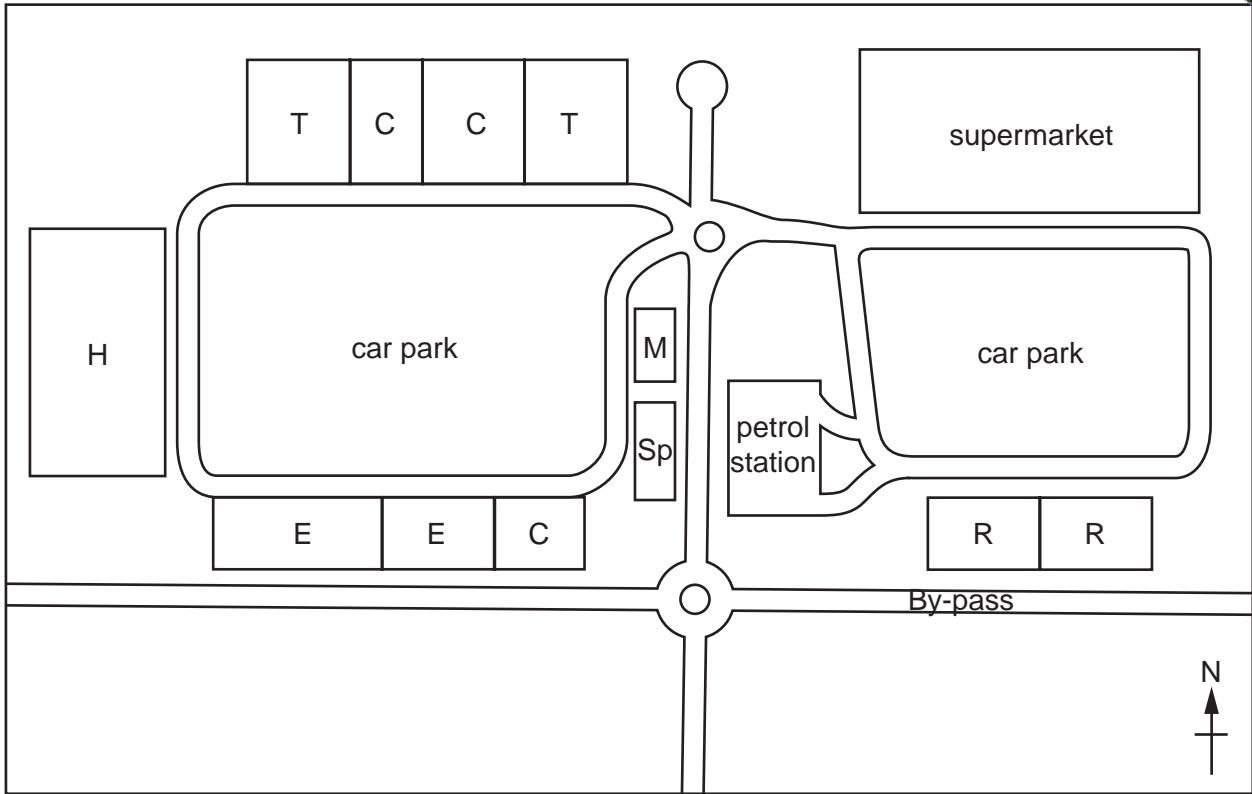
Key

pedestrianised area

0 50
m

Fig. 9 for Question 2

Land use in the retail park



0 100
m

Key to Figs 8 and 9

Shops

Ba	Baker
Bu	Butcher
C	Clothes
Ch	Chemist
D	Department store
E	Electrical goods
F	Food/drink
Fu	Furniture
FV	Fruit and vegetables
H	Home improvement
J	Jewellery
M	Motoring goods
Mu	Music/games/films
N	Newsagent
P	Mobile (cell) phones
Ph	Photography
S	Shoes
Sp	Sports
T	Toys

Services

B	Bank
Cin	Cinema
Lib	Library
R	Restaurant/café/take-away
Tr	Travel agent

V Vacant/unoccupied building

Fig. 10 for Question 2

Shopping questionnaire

Shopping centre:

Date: Time:

I'm a student at King Edward School. Please could you answer two questions to help me with my geography fieldwork?

1. What is the main reason you are shopping here today?

- Near home
- Visitor to the area
- Wide range of shops available
- Near work
- Good parking
- Good value for money

2. What are the main items you are buying here today?

- Food and drink
- Furniture / electrical goods
- Other
- Home improvement goods
- Clothes / jewellery

Male Female

Age: 16 and under 17 - 30 31 - 45
 46 - 60 Over 60

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