



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

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**GEOGRAPHY**

**0460/41**

Paper 4 Alternative to Coursework

**October/November 2012**

INSERT

**1 hour 30 minutes**

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**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.

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



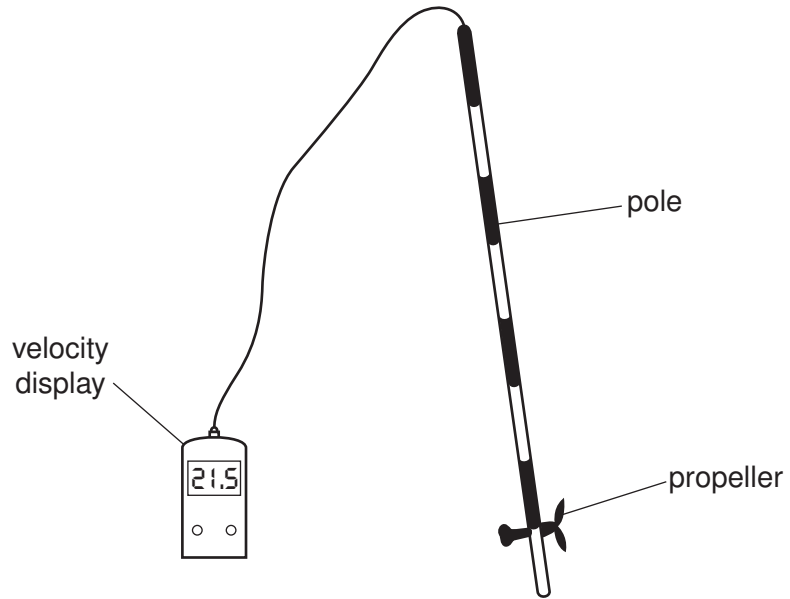
Fig. 1 for Question 1

## 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	

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
<b>2.0</b>	<b>0.60</b>
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	<b>0.70</b>	<b>0.77</b>

Fig. 7 for Question 1

## Results of boys' fieldwork on measurement of river velocity

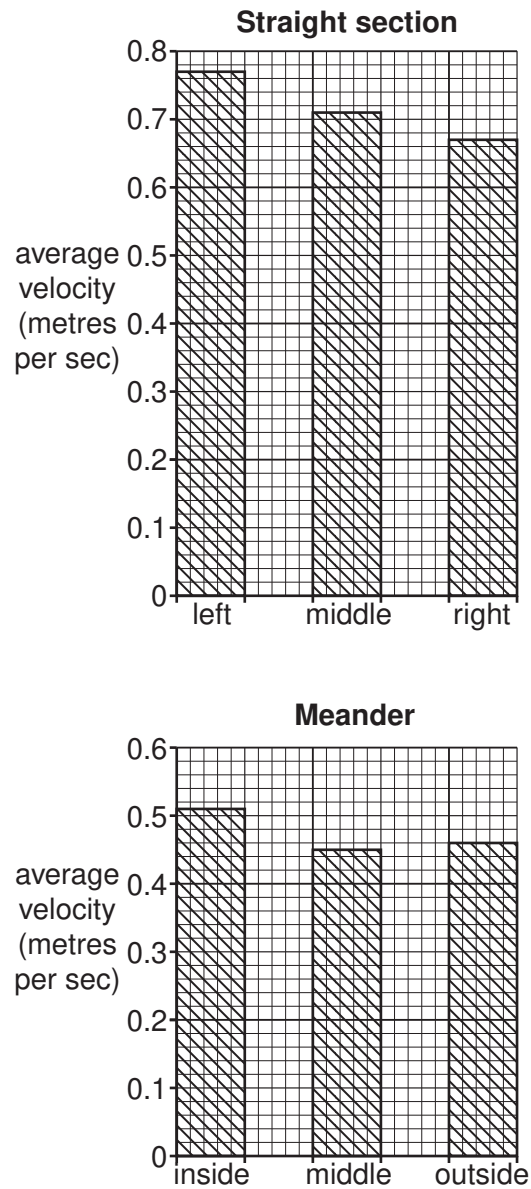
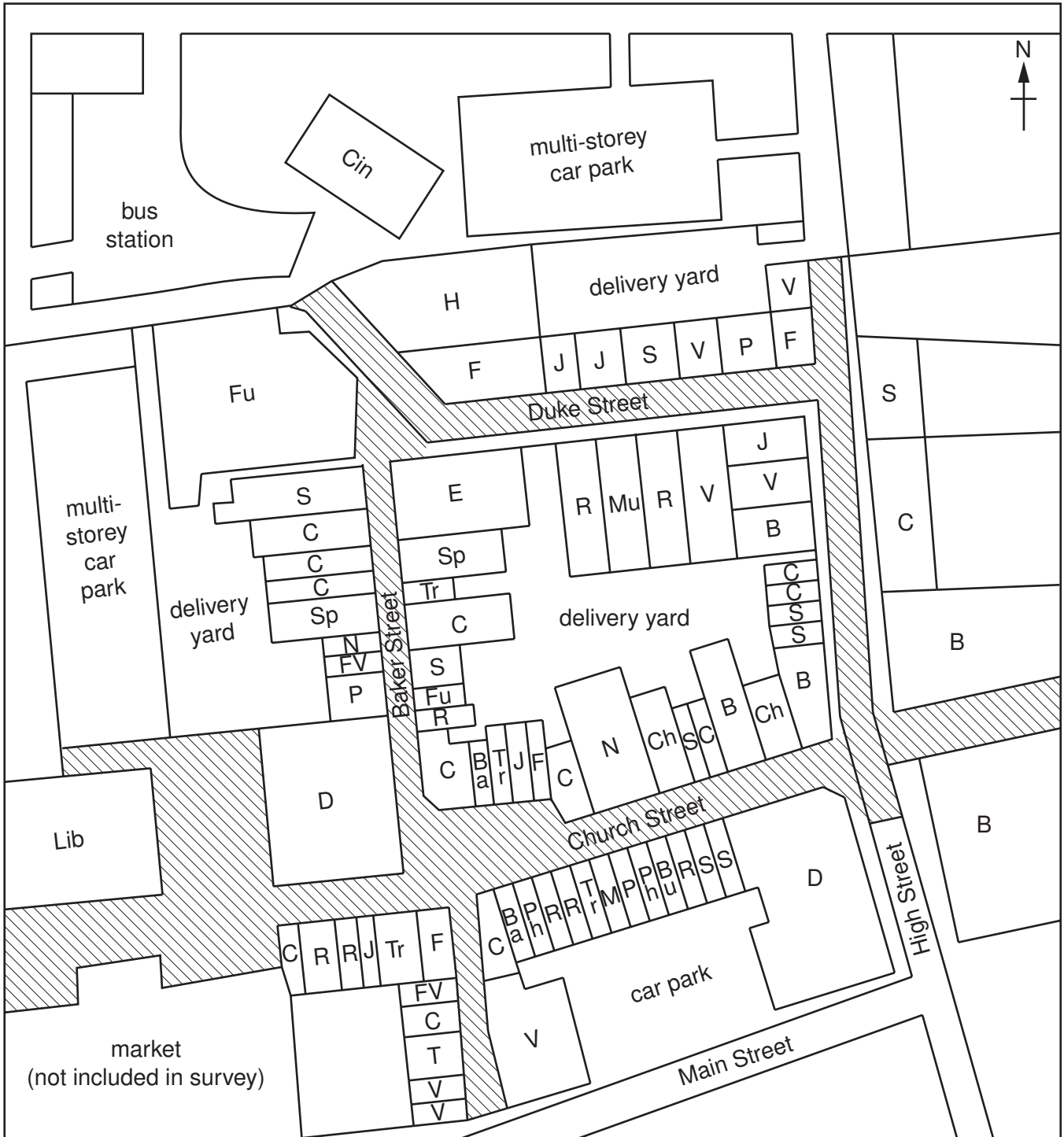


Fig. 8 for Question 2

Land use in the CBD



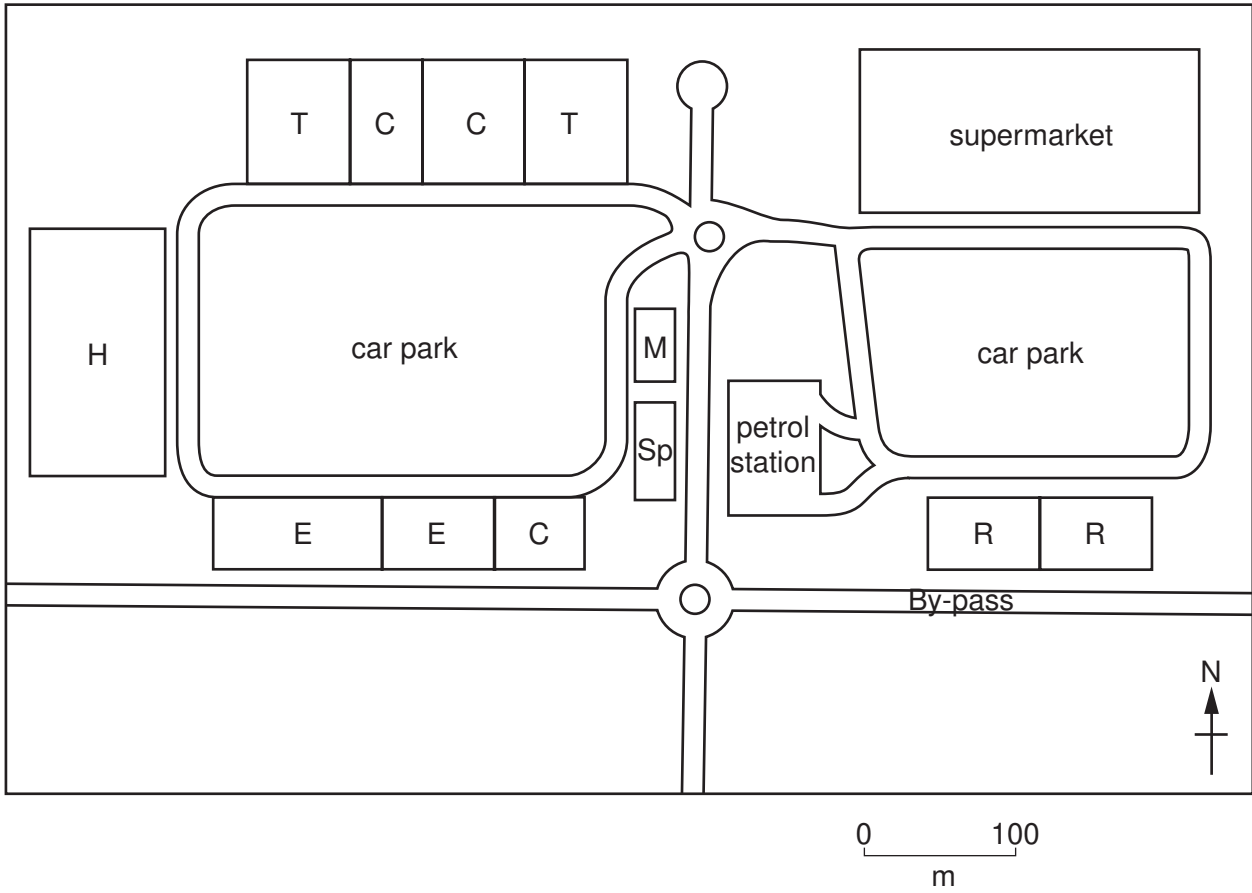
**Key**

 pedestrianised area

0 50  
m

Fig. 9 for Question 2

Land use in the retail park





**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?

- |  |   |
|--|---|
| <input type="checkbox"/> Near home                     | <input type="checkbox"/> Near work            |
| <input type="checkbox"/> Visitor to the area           | <input type="checkbox"/> Good parking         |
| <input type="checkbox"/> Wide range of shops available | <input type="checkbox"/> Good value for money |

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

- |   |   |
|---|---|
| <input type="checkbox"/> Food and drink               | <input type="checkbox"/> Home improvement goods |
| <input type="checkbox"/> Furniture / electrical goods | <input type="checkbox"/> Clothes / jewellery    |
| <input type="checkbox"/> Other                        |   |

Male  Female

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

Thank you very much for your help and time.



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