



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

GEOGRAPHY

0460/43

Paper 4 Alternative to Coursework

October/November 2014

INSERT

1 hour 30 minutes



READ THESE INSTRUCTIONS FIRST

This Insert contains Figs 1 and 3, Photograph A and Tables 1 and 2 for Question 1, and Fig. 5 for Question 2.

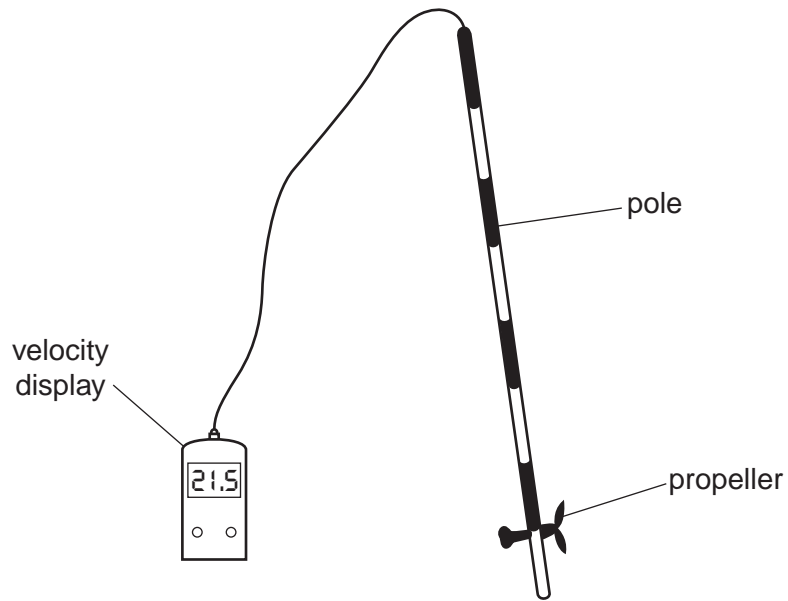
The Insert is **not** required by the Examiner.

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This document consists of **4** printed pages.

Fig. 1 for Question 1

Diagram of velocity meter (flow meter)



Photograph A for Question 1



Table 1 for Question 1

Results of velocity measurements for method 2 (using velocity meter)

Group A

Speed of flow (m per sec)				
Site	Right side of channel	Centre of channel	Left side of channel	Average
1	0.5	0.8	0.6	0.6
2	0.8	1.2	0.9	0.9
3	1.1	1.3	1.0	1.1
4	1.5	1.9	1.4	1.6

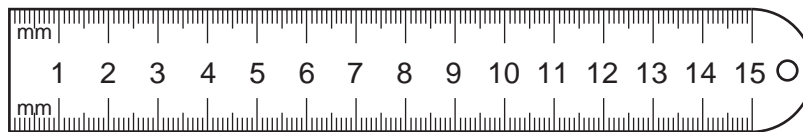
Group B

Speed of flow (m per sec)				
Site	Right side of channel	Centre of channel	Left side of channel	Average
1	0.6	0.9	0.7	0.7
2	0.6	1.0	0.8	0.8
3	1.1	1.4	1.1	1.2
4	1.6	2.0	1.5	1.7

Site 1 is furthest upstream and site 4 is furthest downstream

Fig. 3 for Question 1

Ruler



Roundness score chart

Shape						
Score	1	2	3	4	5	6
Description	very angular	angular	a little angular	a little rounded	rounded	very rounded

Table 2 for Question 1

Bedload measurements

Group A

Site	Average length of long axis (cm)	Average roundness score
1	5.0	4.5
2	7.4	4.6
3	9.7	3.6
4	9.3	4.3

Group B

Site	Average length of long axis (cm)	Average roundness score
1	7.2	3.4
2	10.8	3.7
3	15.4	3.9
4	9.8	3.0

Site 1 is furthest upstream and site 4 is furthest downstream

Fig. 5 for Question 2

Resident questionnaire

I am doing this questionnaire as part of my *Geography* coursework. Please will you answer the following questions?

1. How many years have you lived in the village?

.....

2. Where did you live before moving to the village?

.....

3. What is the main reason you live in the village?

.....

Thank you

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