Cambridge Assessment International Education

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GEOGRAPHY **0460/43**

Paper 4 Alternative to Coursework **October/November 2021**

INSERT **1 hour 30 minutes**

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INFORMATION

- This insert contains additional resources referred to in the questions.
- You may annotate this insert and use the blank spaces for planning. **Do not write your answers** on the insert.

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Table 1.1 for Question 1

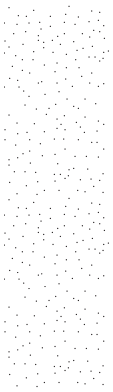
Results of students' measurements

	site	velocity (m / sec)	wetted perimeter (m)
upstream	1	0.4	3.5
	2	0.5	5.1
	3	0.6	7.4
	4	**1.2**	**7.8**
downstream	5	**1.6**	12.1

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Fig. 1.3 for Question 1

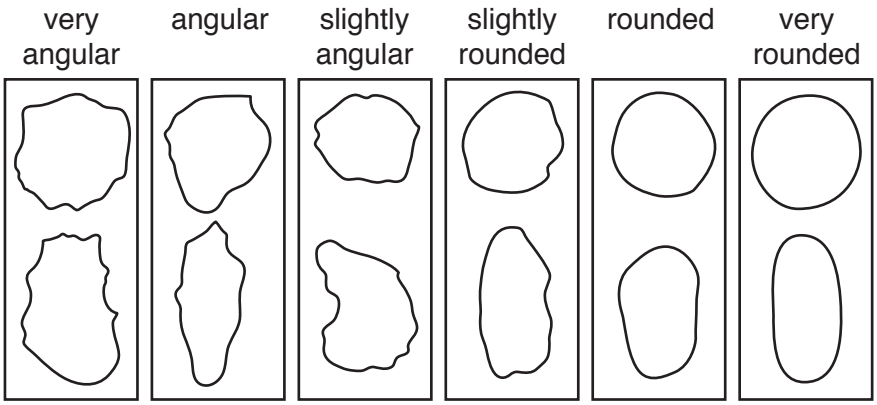
A fieldwork notebook



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Fig. 1.5 for Question 1

Powers' Scale of Roundness



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Table 1.2 for Question 1

Students' results of measuring roundness of rocks

upstream ◄——————————————————————————————► downstream

	site 1		site 2		site 3		site 4		site 5	
	number of rocks	**percentage**	**number of rocks**	**percentage**	**number of rocks**	**percentage**	**number of rocks**	**percentage**	**number of rocks**	**percentage**
very angular and angular	6	30	5	**25**	1	5	3	15	0	0
slightly angular and slightly rounded	10	50	8	**40**	9	45	11	55	10	50
rounded and very rounded	4	20	7	**35**	10	50	6	30	10	50

Fig. 2.1 for Question 2

Route of by-pass road

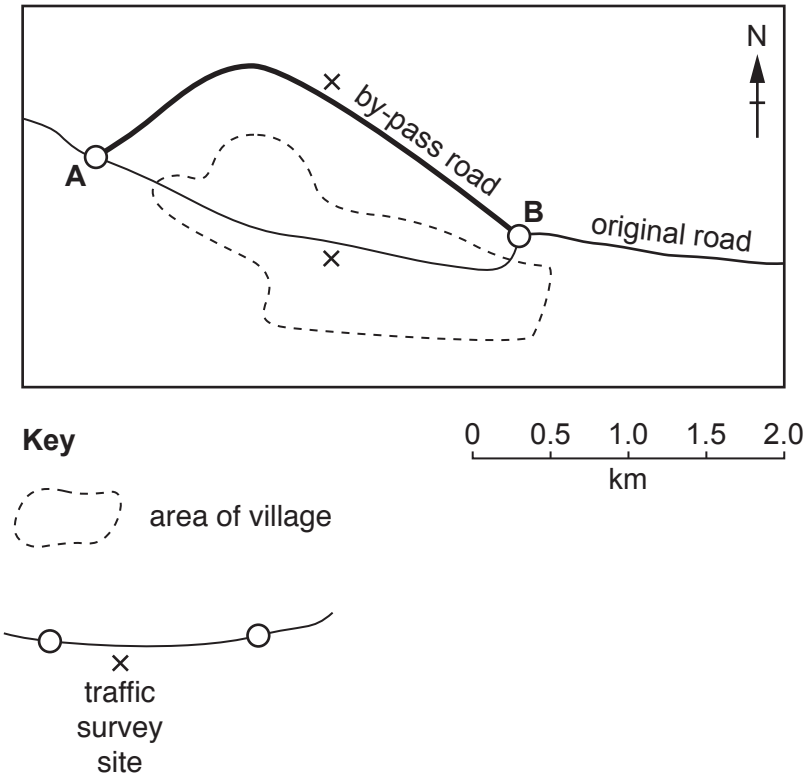


Table 2.1 for Question 2

Traffic survey results in the village 2016

time	vehicle category			
	car / bike / taxi	van / minibus	lorry / bus / coach	total
07:30–08:00	140	28	22	190
10:30–11:00	109	21	17	147
13:30–14:00	122	22	18	162
16:30–17:00	151	26	21	198
19:30–20:00	70	14	4	88

Table 2.2 for Question 2

Traffic survey results in the village 2018

time	vehicle category			
	car / bike / taxi	van / minibus	lorry / bus / coach	total
07:30–08:00	45	13	9	67
10:30–11:00	41	11	6	58
13:30–14:00	42	11	7	60
16:30–17:00	50	14	12	**76**
19:30–20:00	20	8	2	**30**

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Fig. 2.2 for Question 2

Students' recording sheet

Road surveyed: *(circle)*	Time: *(circle)*
road through village	07:30–08:00
by-pass road	10:30–11:00
	13:30–14:00
	16:30–17:00
	19:30–20:00

Vehicle category		Total
Car / bike / taxi		
Van / minibus		
Lorry / bus / coach		

Table 2.3 for Question 2

Traffic survey results on the by-pass road 2018

time	vehicle category			
	car / bike / taxi	van / minibus	lorry / bus / coach	total
07:30–08:00	97	18	13	128
10:30–11:00	65	13	16	94
13:30–14:00	69	15	12	96
16:30–17:00	**104**	**18**	**13**	**135**
19:30–20:00	42	10	3	55

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