



Cambridge International Examinations
Cambridge Ordinary Level

GEOGRAPHY

2217/22

Paper 2

May/June 2016

INSERT

2 hours 15 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Photograph A for Question 5, Tables 4 and 5 and Fig. 9 for Question 7, and Fig. 14 and Table 10 for Question 8.

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



This document consists of **7** printed pages and **1** blank page.

Photograph A for Question 5



Table 4 for Question 7
Results of river fieldwork

| | | Site 1 | | | | | Average |
|-----------------------------------------------|------|---------------|------|------|------|------|---------|
| Width of river (m) | 2.4 | | | | | | |
| Distance across river from left-hand bank (m) | 0.38 | 0.76 | 1.14 | 1.52 | 1.9 | | |
| Depth at each point (m) | 0.25 | 0.3 | 0.31 | 0.32 | 0.19 | 0.27 | |
| Velocity of river flow (m/sec) | 0.4 | 0.22 | 0.3 | 0.42 | 0.1 | 0.29 | |

| | | Site 2 | | | | | Average |
|-----------------------------------------------|------|---------------|------|------|------|------|---------|
| Width of river (m) | 3.6 | | | | | | |
| Distance across river from left-hand bank (m) | 0.6 | 1.2 | 1.8 | 2.4 | 3.0 | | |
| Depth at each point (m) | 0.33 | 0.38 | 0.4 | 0.32 | 0.18 | 0.32 | |
| Velocity of river flow (m/sec) | 0.18 | 0.32 | 0.33 | 0.34 | 0.26 | 0.29 | |

| | | Site 3 | | | | | Average |
|-----------------------------------------------|------|---------------|------|------|------|------|---------|
| Width of river (m) | 5.2 | | | | | | |
| Distance across river from left-hand bank (m) | 0.87 | 1.74 | 2.61 | 3.48 | 4.35 | | |
| Depth at each point (m) | 0.4 | 0.54 | 0.52 | 0.32 | 0.19 | 0.39 | |
| Velocity of river flow (m/sec) | 0.95 | 0.79 | 0.47 | 0.38 | 0.29 | 0.58 | |

| | | Site 4 | | | | | Average |
|-----------------------------------------------|------|---------------|------|------------|-------------|------|---------|
| Width of river (m) | 9.6 | | | | | | |
| Distance across river from left-hand bank (m) | 1.6 | 3.2 | 4.8 | 6.4 | 8.0 | | |
| Depth at each point (m) | 0.15 | 0.27 | 0.33 | 0.4 | 0.32 | 0.29 | |
| Velocity of river flow (m/sec) | 0.19 | 0.22 | 0.5 | 0.83 | 0.56 | 0.46 | |

| | | Site 5 | | | | | Average |
|-----------------------------------------------|------|---------------|------|------|------|------|---------|
| Width of river (m) | 10.4 | | | | | | |
| Distance across river from left-hand bank (m) | 1.73 | 3.46 | 5.39 | 6.92 | 8.65 | | |
| Depth at each point (m) | 0.49 | 0.63 | 0.7 | 0.67 | 0.34 | 0.57 | |
| Velocity of river flow (m/sec) | 0.02 | 0.06 | 0.41 | 0.44 | 0.13 | 0.21 | |

| | | Site 6 | | | | | Average |
|-----------------------------------------------|------------|---------------|------|------|------|------|---------|
| Width of river (m) | 7.6 | | | | | | |
| Distance across river from left-hand bank (m) | 1.27 | 2.54 | 3.82 | 5.08 | 6.35 | | |
| Depth at each point (m) | 0.72 | 0.41 | 0.39 | 0.49 | 0.36 | 0.47 | |
| Velocity of river flow (m/sec) | 0.63 | 0.59 | 0.83 | 0.83 | 0.48 | 0.67 | |

Table 5 for Question 7

Area of the river channel cross section and average velocity at the six sites

| Site | Area of cross section (m ²) | Average velocity (m/sec) |
|------|-----------------------------------------|--------------------------|
| 1 | 0.65 | 0.29 |
| 2 | 1.15 | 0.29 |
| 3 | 2.03 | 0.58 |
| 4 | 2.78 | 0.46 |
| 5 | 5.93 | 0.21 |
| 6 | 3.57 | 0.67 |

Fig. 9 for Question 7

Equipment used to measure river velocity (not to scale)

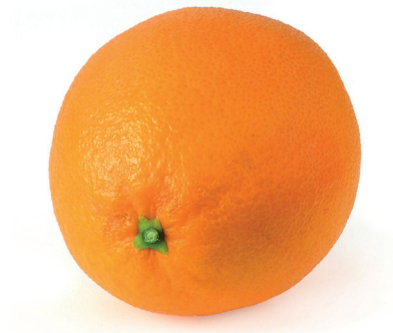
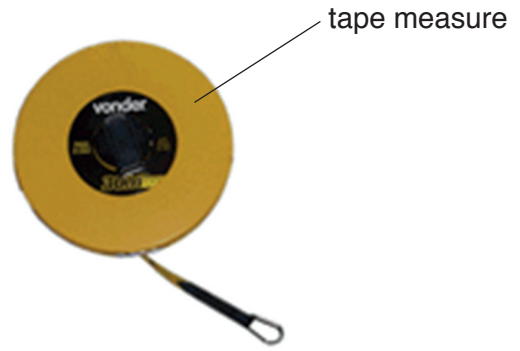
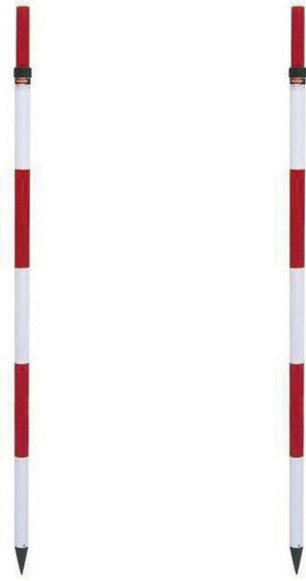


Fig. 14 for Question 8

Shopping questionnaire

Excuse me; I'm a student at The Royal Academy. Please could you answer a few questions to help me with my geography fieldwork?

1. How often do you shop in the town centre?

every day (daily)

once a week (weekly)

once a month (monthly)

less than once a month (infrequently)

2. Where do you usually shop?

town centre shops

local supermarket

retail park on the edge of town

other town or city

3. What are the main advantages of shopping in the town centre? (You may give more than one answer.)

.....

.....

.....

4. What are the main disadvantages of shopping in the town centre? (You may give more than one answer.)

.....

.....

.....

Thank you very much for your help and time.

Gender

Male

Female

Age group

Under 16

16-30

31-45

46-60

Over 60

Table 10 for Question 8

Answers to Questions 3 and 4 in the questionnaire

| Main advantage | Number of answers |
|-------------------------------------|-------------------|
| Shops sell specialist goods | 39 |
| Friendly and helpful staff | 26 |
| Shops are never busy | 18 |
| Near to home | 15 |
| Frequent bus service to town centre | 13 |
| Total | 111 |

| Main disadvantage | Number of answers |
|---------------------------------------------------|-------------------|
| Prices are more expensive than in shops elsewhere | 77 |
| Many shops have closed down | 62 |
| Lack of parking | 56 |
| Lack of choice when buying goods | 34 |
| No shelter against rain and cold weather | 18 |
| Total | 247 |

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