



Cambridge O Level

GEOGRAPHY

2217/32

Paper 3 Geographical Investigations

October/November 2022

INSERT

1 hour 30 minutes

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.



This document has **12** pages. Any blank pages are indicated.

Fig. 1.1 for Question 1

Migration questionnaire

I'm a student at the local college in Nairobi. Please answer the following questions to help me with my *Geography* fieldwork.

1. Why did you migrate to Kenya?

.....

2. Which country did you migrate from when you came to Kenya?

.....

3. What is the main problem of living in Nairobi?

.....

4. What is your job in Nairobi?

.....

Thank you for your help.

Table 1.1 for Question 1

Answers to question 2

Which country did you migrate from when you came to Kenya?

| continent | country | number of migrants |
|---------------|-------------|--------------------|
| Europe | Austria | 2 |
| | Denmark | 5 |
| | Spain | 3 |
| | Sweden | 5 |
| | | |
| North America | Canada | 2 |
| | USA | 8 |
| | | |
| Africa | Ethiopia | 3 |
| | Morocco | 3 |
| | Somalia | 25 |
| | South Sudan | 3 |
| | Sudan | 3 |
| | Tanzania | 5 |
| | Tunisia | 2 |
| | | |
| Asia | China | 6 |
| | India | 25 |

Table 1.2 for Question 1

Answers to question 3

What is the main problem of living in Nairobi?

| problem | number of answers from migrants | | | | | | | |
|----------------------------|---------------------------------|-----|-------|------------|---------|-----|-----------------|-----|
| | Europe / North America | | India | | Somalia | | other countries | |
| crime and lack of security | 13 | 52% | 10 | 40% | 4 | 16% | 0 | 0% |
| high cost of living | 0 | 0% | 2 | 8% | 10 | 40% | 4 | 16% |
| intolerance by people | 0 | 0% | 2 | 8% | 4 | 16% | 11 | 44% |
| poor housing | 0 | 0% | 4 | 16% | 6 | 24% | 10 | 40% |
| traffic congestion | 12 | 48% | 7 | 28% | 1 | 4% | 0 | 0% |

Table 1.3 for Question 1

Jobs of migrants

| migrants from Somalia | migrants from Europe / North America |
|-----------------------|--------------------------------------|
| market trader | insurance broker |
| market trader | insurance broker |
| market trader | finance manager |
| market stall owner | finance manager |
| market stall owner | finance consultant |
| market stall owner | finance consultant |
| store owner | |
| store owner | company managing director |
| shop salesperson | factory manager |
| shop salesperson | factory manager |
| street seller | office manager |
| | department store manager |
| cleaner | sales manager |
| cleaner | |
| cleaner | government adviser |
| maid | government embassy official |
| waiter | government embassy official |
| hotel porter | |
| taxi driver | IT developer |
| taxi driver | IT developer |
| delivery driver | IT consultant |
| | research and development officer |
| security guard | energy research consultant |
| security guard | |
| | construction engineer |
| factory worker | construction engineer |
| factory worker | construction engineer |
| factory worker | |
| | teacher |
| | teacher |

Fig. 2.1 for Question 2

The Bradshaw model which shows how characteristics of a river change

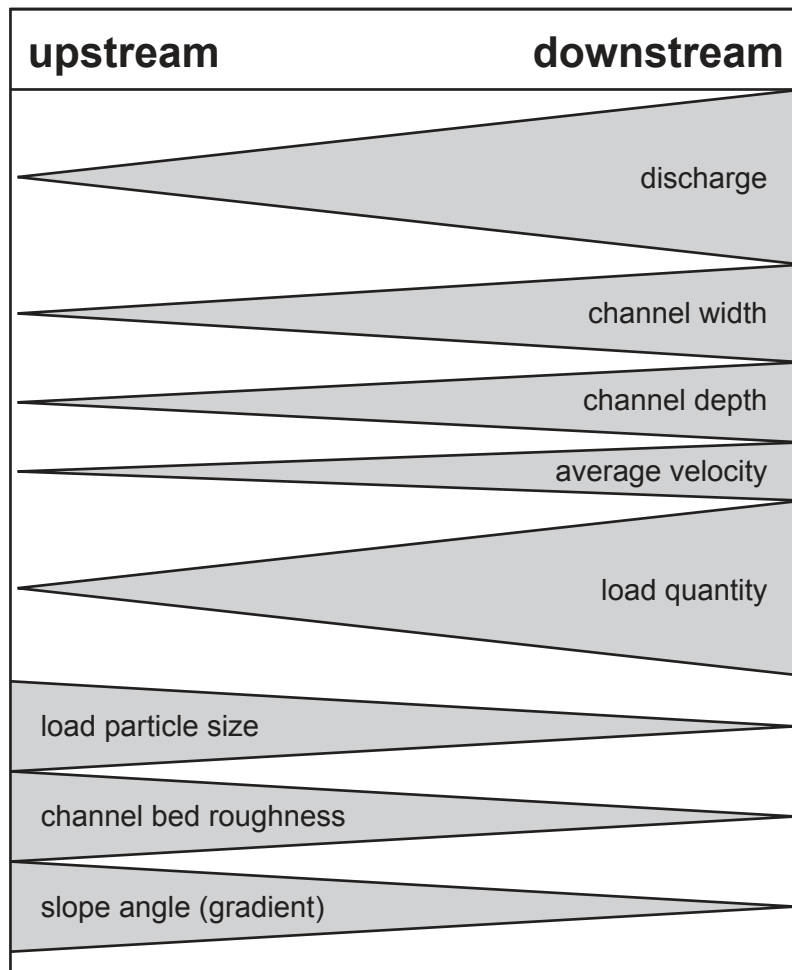


Table 2.1 for Question 2

Measurement results at site 1

| measurement number | time for orange to travel 10 m (sec) | velocity (m per sec) |
|--------------------|--------------------------------------|----------------------|
| 1 | 37 | 0.27 |
| 2 | 38 | 0.26 |
| 3 | 29 | 0.34 |
| 4 | 29 | 0.34 |
| 5 | 35 | 0.29 |
| 6 | 33 | 0.30 |
| 7 | 47 | 0.21 |
| 8 | 33 | 0.30 |
| 9 | 29 | 0.34 |
| 10 | 39 | 0.25 |
| replacement | 38 | 0.26 |
| | | |
| average | 34 | 0.29 |

Table 2.2 for Question 2

Average velocity results at the three sites

| site | average velocity (m per sec) |
|----------|------------------------------|
| 1 | 0.29 |
| 2 | 0.38 |
| 3 | 0.27 |

Fig. 2.3 for Question 2

Measuring the pebble



Table 2.3 for Question 2

Results of pebble measurements at site 3

| pebble number | length (cm) |
|----------------|-------------|
| 1 | 7.5 |
| 2 | 7.6 |
| 3 | 8.5 |
| 4 | 6.1 |
| 5 | 3.4 |
| 6 | 4.0 |
| 7 | 5.8 |
| 8 | 7.2 |
| 9 | 14.3 |
| 10 | 8.7 |
| 11 | 12.8 |
| 12 | 14.2 |
| average | 8.3 |

Fig. 2.5 for Question 2

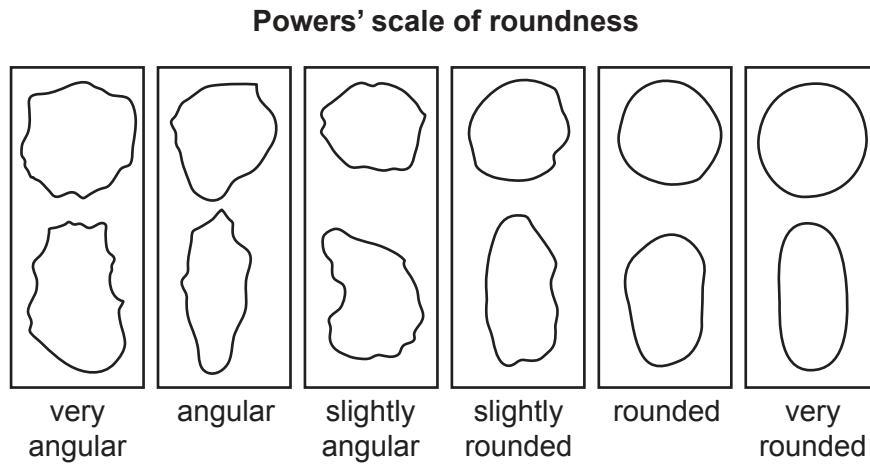


Table 2.4 for Question 2

Student's results of measurement of roundness

| site | number of pebbles | | | | | |
|------|-------------------|---------|------------------|------------------|----------|--------------|
| | very angular | angular | slightly angular | slightly rounded | rounded | very rounded |
| 1 | 1 | 3 | 6 | 1 | 1 | 0 |
| 2 | 1 | 0 | 2 | 4 | 5 | 0 |
| 3 | 0 | 0 | 0 | 0 | 5 | 7 |

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