# AH

National
Qualifications
2025

**X833/77/51**

**Geography
Supplementary item D
for Question 3**

TUESDAY, 29 APRIL

1:00 PM – 3:30 PM

SQA

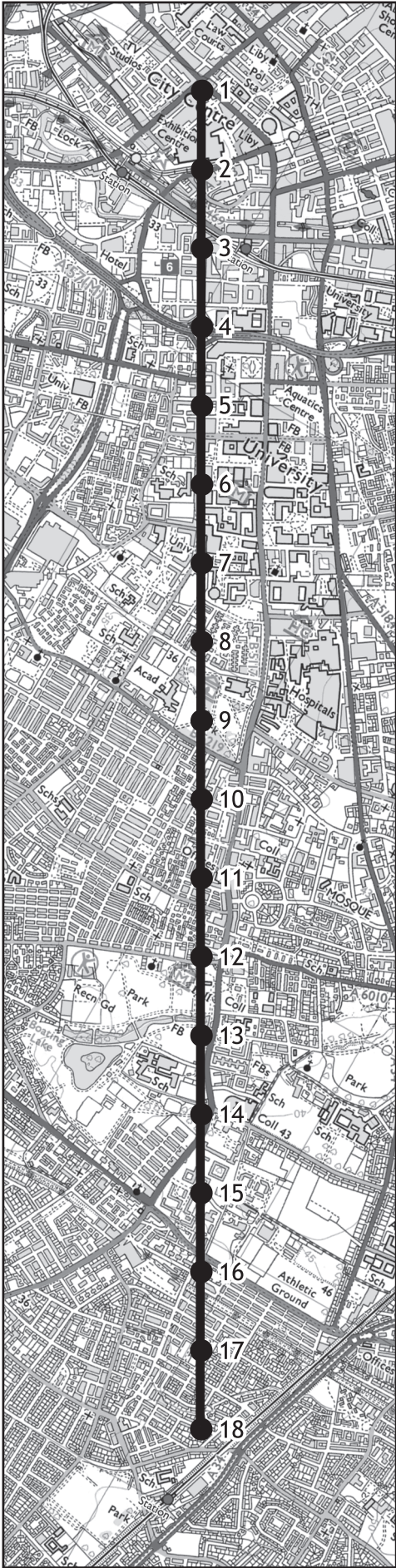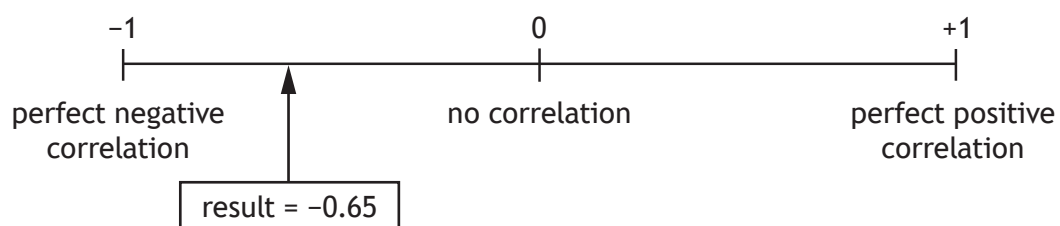*X8337751*

SUPPLEMENTARY ITEM D

**Diagram 1**

**Diagram 2** Distance from the CBD, average noise levels, average number of vehicles and average number of pedestrians over a 15-minute period

| Site | Distance from CBD (metres) | Noise levels measured in decibels (dB) | Number of vehicles | Number of pedestrians |
|------|------|------|------|------|
| 1 | 0 | 85 | 156 | 120 |
| 2 | 300 | 76 | 25 | 167 |
| 3 | 600 | 69 | 34 | 65 |
| 4 | 900 | 82 | 121 | 23 |
| 5 | 1200 | 72 | 65 | 75 |
| 6 | 1500 | 74 | 64 | 115 |
| 7 | 1800 | 75 | 33 | 99 |
| 8 | 2100 | 61 | 12 | 27 |
| 9 | 2400 | 45 | 0 | 31 |
| 10 | 2700 | 55 | 8 | 11 |
| 11 | 3000 | 47 | 9 | 12 |
| 12 | 3300 | 50 | 11 | 17 |
| 13 | 3600 | 43 | 0 | 25 |
| 14 | 3900 | 63 | 45 | 33 |
| 15 | 4200 | 64 | 46 | 51 |
| 16 | 4500 | 70 | 89 | 34 |
| 17 | 4800 | 48 | 0 | 12 |
| 18 | 5100 | 53 | 51 | 34 |

**Diagram 3** Spearman's Rank Correlation Coefficient



| −1 | 0 | +1 |
|------|------|------|
| perfect negative correlation | no correlation | perfect positive correlation |

result = −0.65

| Value given for significance | | |
|------|------|------|
| N (number of values) | Significance level | Significance level |
| | 95% | 99% |
| 18 | 0.48 | 0.63 |

**[END OF SUPPLEMENTARY ITEM D]**

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