



National  
Qualifications  
2025

**X833/77/51**

**Geography  
Supplementary item D  
for Question 3**

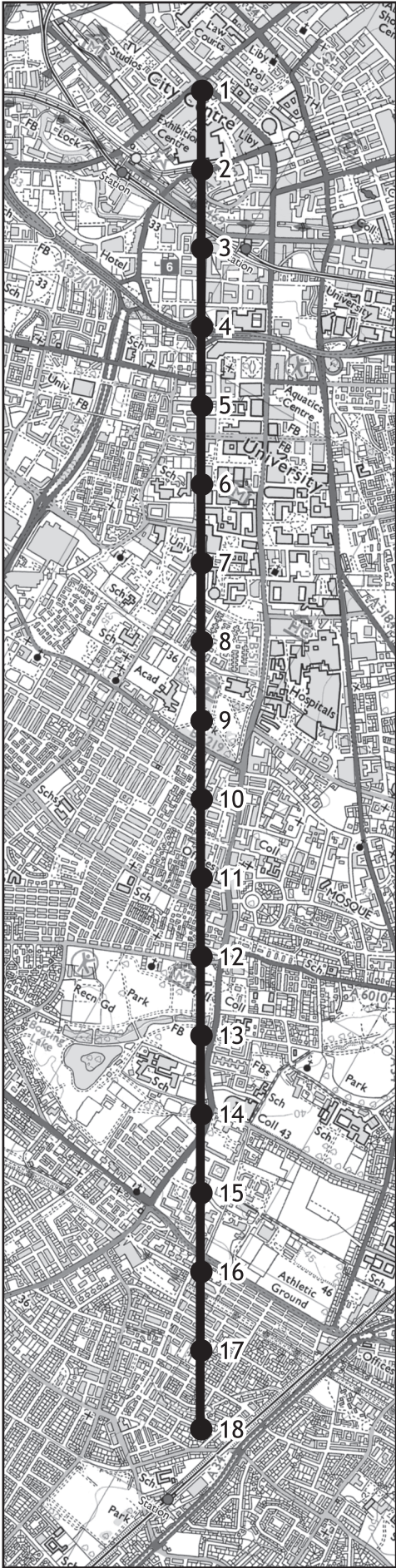
TUESDAY, 29 APRIL

1:00 PM – 3:30 PM



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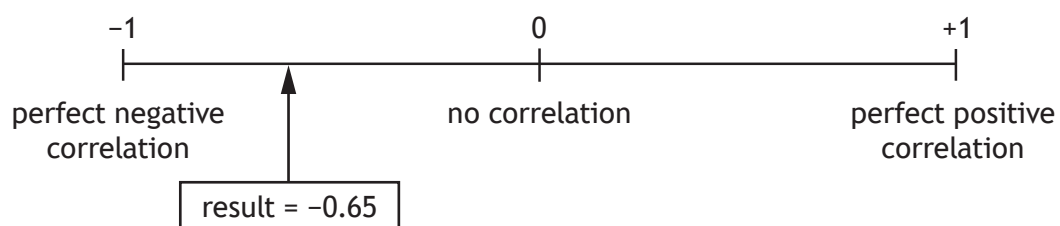
Diagram 1



**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



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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