



National  
Qualifications  
2023

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**Geography  
Global Issues and  
Geographical Skills  
Ordnance Survey Map**

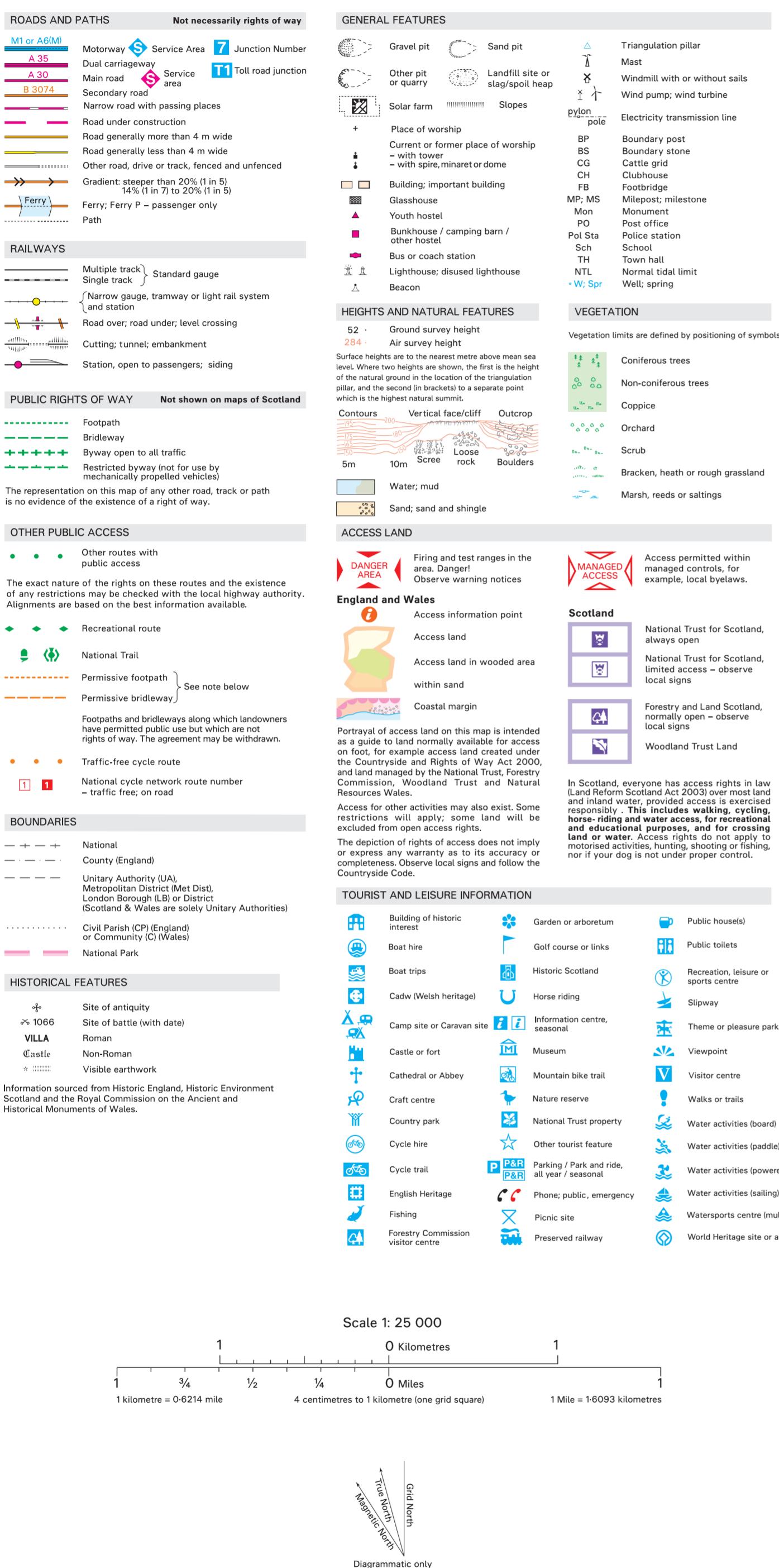
TUESDAY, 25 APRIL

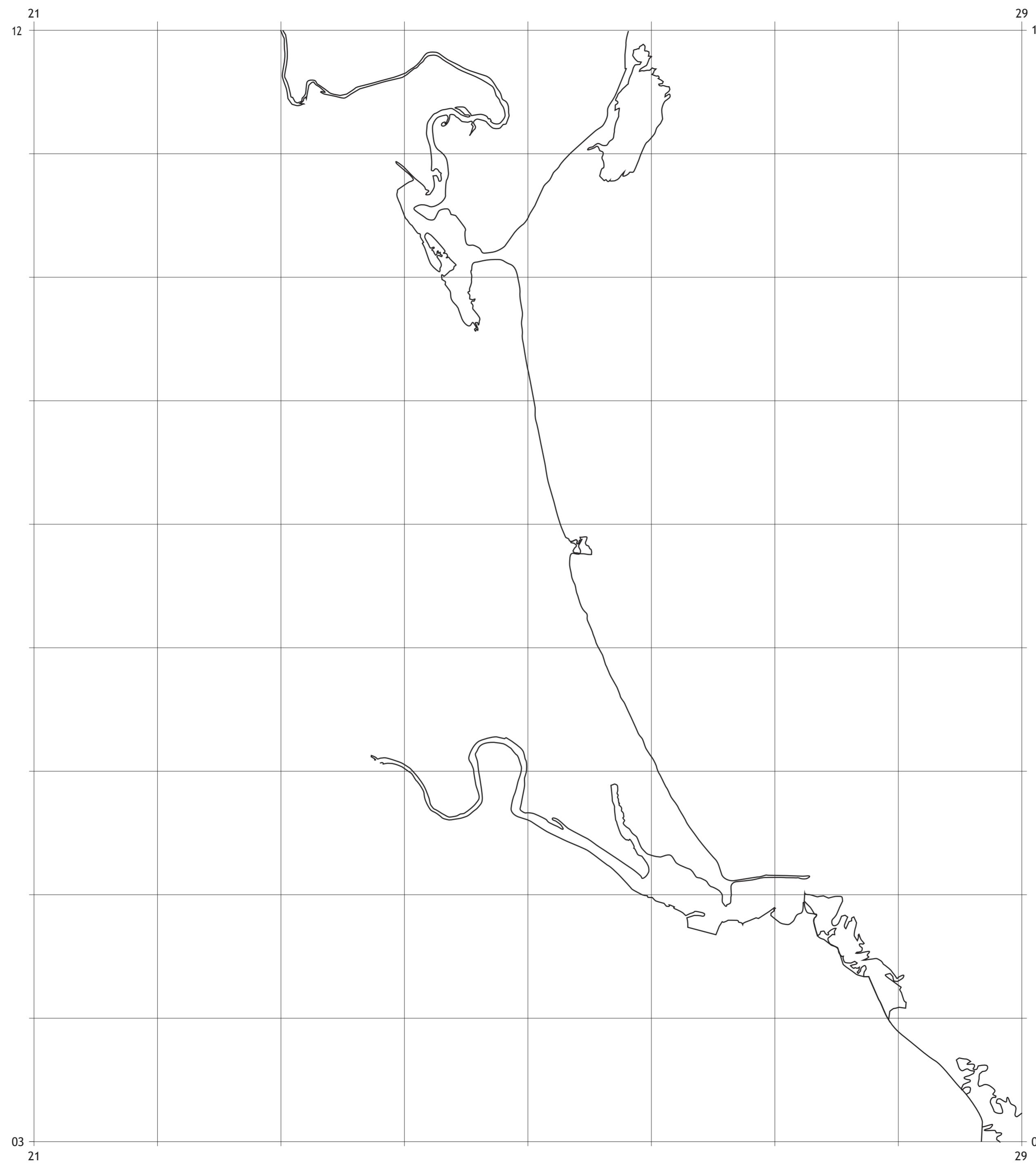
9:00 AM – 11:30 AM

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The colours used in the printing of these map extracts are indicated in the four little boxes at the top of the map extract. Each box should contain a colour; if any does not, the map is incomplete and should be returned to the Invigilator.









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**X833/77/41**

**Geography**  
**Supplementary item C**  
**for Question 1**

TUESDAY, 25 APRIL

9:00 AM – 11:30 AM

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\* X 8 3 3 7 7 4 1 \*

## SUPPLEMENTARY ITEM C

Diagram 1: Amble main street



Diagram 2: Tourists in Northumberland



[END OF SUPPLEMENTARY ITEM C]

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- Diagram 1      Image is taken from <https://www.coquetandcoast.co.uk/amble-northumberland/showthread.php?t=1>. Reproduced by kind permission of Mike Young, Coquet and Coast website.
- Diagram 2      Image is taken from <https://www.chroniclelive.co.uk/news/north-east-news/northumberland-seaside-town-amble-crowned-10528198>. Reproduced by permission of Reach Publishing Services Limited.



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X833/77/51

**Geography  
Supplementary item D  
for Question 2**

TUESDAY, 25 APRIL

9:00 AM – 11:30 AM

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\* X 8 3 3 7 7 5 1 \*

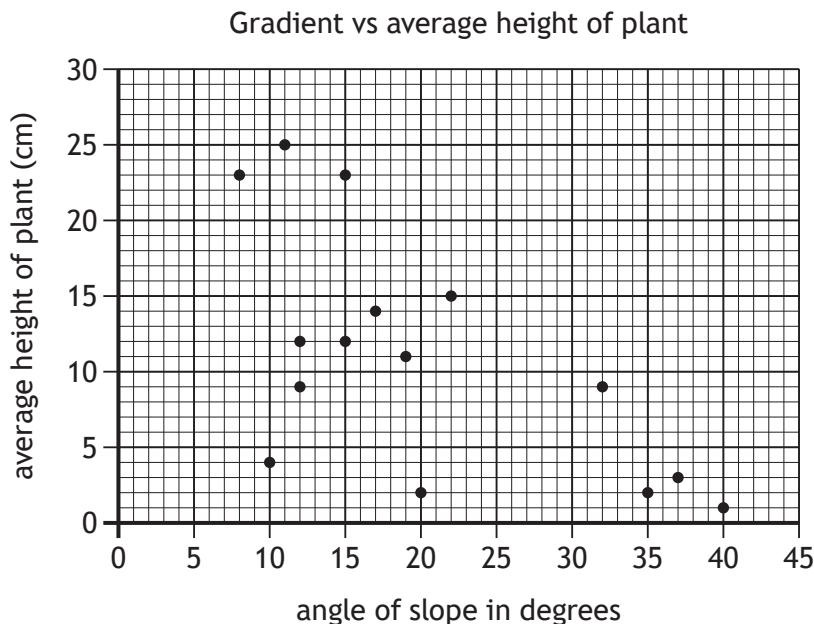
## SUPPLEMENTARY ITEM D

**Diagram 1** Slope analysis data collected by the students

Distance along slope (m)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
Angle of slope (degrees)	15	11	17	32	22	8	19	15	12	12	10	20	35	37	40
Soil depth(m)	0.63	0.49	0.46	0.54	0.18	0.68	0.47	0.15	0.25	0.31	0.34	0.29	0.20	0.15	0.11
Soil moisture (%)	47.9	34.2	47.3	46.5	43.2	22.8	41.5	20.3	27.3	25.1	27.6	20.4	15.8	11.5	9.4
Soil pH	6.1	6.6	6.4	5.7	5.3	5.7	4.3	5.5	4.6	4.9	4.6	4.4	4.4	4.2	4.3
Average height of plant species (cm)	23	25	14	9	15	23	11	12	12	9	4	2	2	3	1

## SUPPLEMENTARY ITEM D (continued)

**Diagram 2** Scatter graph comparing angle of slope with average height of plants



**Diagram 3** Pearson's Product Moment correlation coefficient calculation

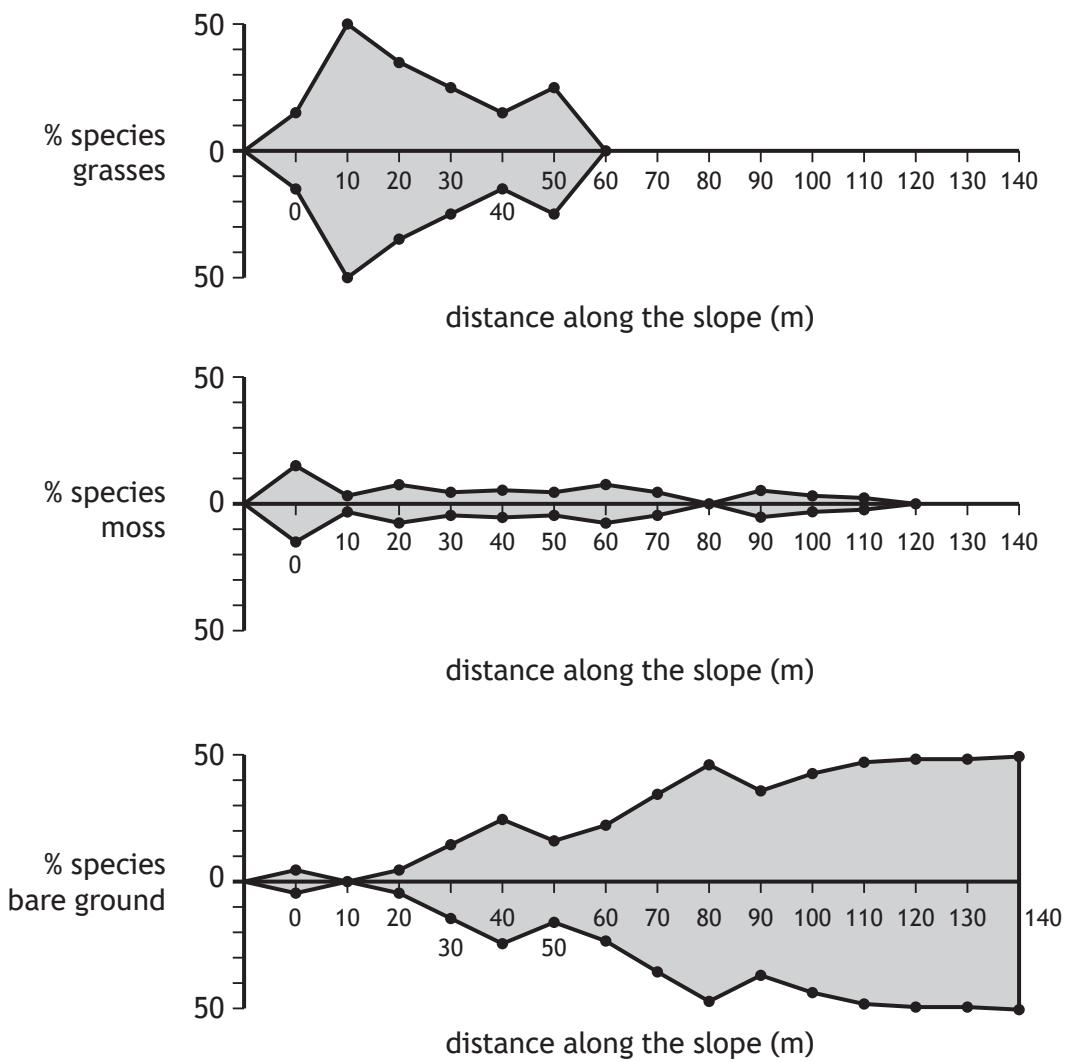
Result of calculation= -0.63

Degrees of freedom	Significance level	Significance level
	95%	99%
13	0.514	0.641

[Turn over

#### SUPPLEMENTARY ITEM D (continued)

Diagram 4 Kite Diagrams showing vegetation cover along the slope



[END OF SUPPLEMENTARY ITEM D]



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**X833/77/21**

**Geography  
Supplementary items**

TUESDAY, 25 APRIL

9:00 AM – 11:30 AM

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|------------|--|
| X833/77/31 | Supplementary item A — OS map          |
| X833/77/41 | Supplementary item B — tracing overlay |
| X833/77/51 | Supplementary item C                   |
|            | Supplementary item D                   |
|            | Spare tracing paper                    |



\* X 8 3 3 7 7 2 1 \*