



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

GEOGRAPHY

0460/43

Paper 4 Alternative to Coursework

May/June 2011

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Figs 3, 4 and 5 for Question 1, and Fig. 8 and Tables 4 and 5 for Question 2.

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

This document consists of **5** printed pages and **3** blank pages.



Fig. 3 for Question 1

Relative Humidity table

Dry bulb reading (°C) → Dry bulb temperature

| | | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 0.5 | 93 | 93 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 |
| 1.0 | 86 | 87 | 87 | 88 | 88 | 88 | 89 | 89 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 92 | 92 | 92 |
| 1.5 | 79 | 80 | 81 | 82 | 82 | 83 | 83 | 84 | 84 | 85 | 85 | 86 | 86 | 86 | 87 | 87 | 88 | 88 | 88 |
| 2.0 | 73 | 74 | 75 | 76 | 76 | 77 | 78 | 79 | 79 | 80 | 81 | 81 | 82 | 82 | 83 | 83 | 83 | 84 | 84 |
| 2.5 | 66 | 67 | 69 | 70 | 71 | 72 | 73 | 73 | 74 | 75 | 76 | 77 | 77 | 78 | 78 | 79 | 80 | 80 | 80 |
| 3.0 | 60 | 61 | 63 | 64 | 65 | 66 | 68 | 69 | 70 | 71 | 71 | 72 | 73 | 74 | 75 | 76 | 76 | 77 | 77 |
| 3.5 | 53 | 55 | 57 | 58 | 60 | 61 | 62 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 70 | 71 | 72 | 72 | 73 |
| 4.0 | 47 | 49 | 51 | 53 | 54 | 56 | 57 | 59 | 60 | 61 | 63 | 64 | 65 | 65 | 66 | 67 | 68 | 69 | 69 |
| 4.5 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 54 | 56 | 58 | 58 | 59 | 61 | 62 | 63 | 64 | 64 | 65 | 66 |

← Difference in temperature (= dry bulb – wet bulb)

Fig. 4 for Question 1

Digital thermometer and hygrometer

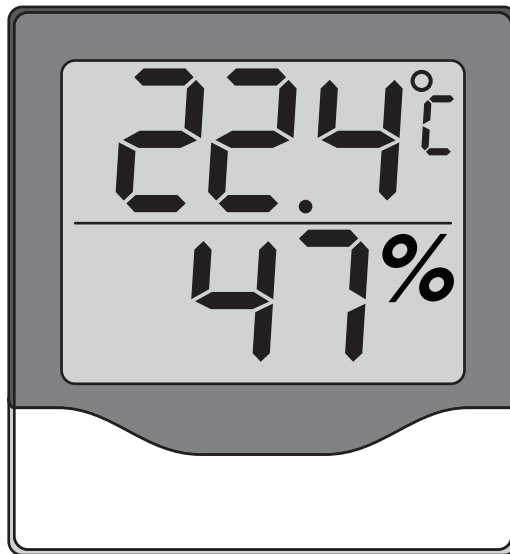


Fig. 5 for Question 1

Map of school campus showing measuring sites

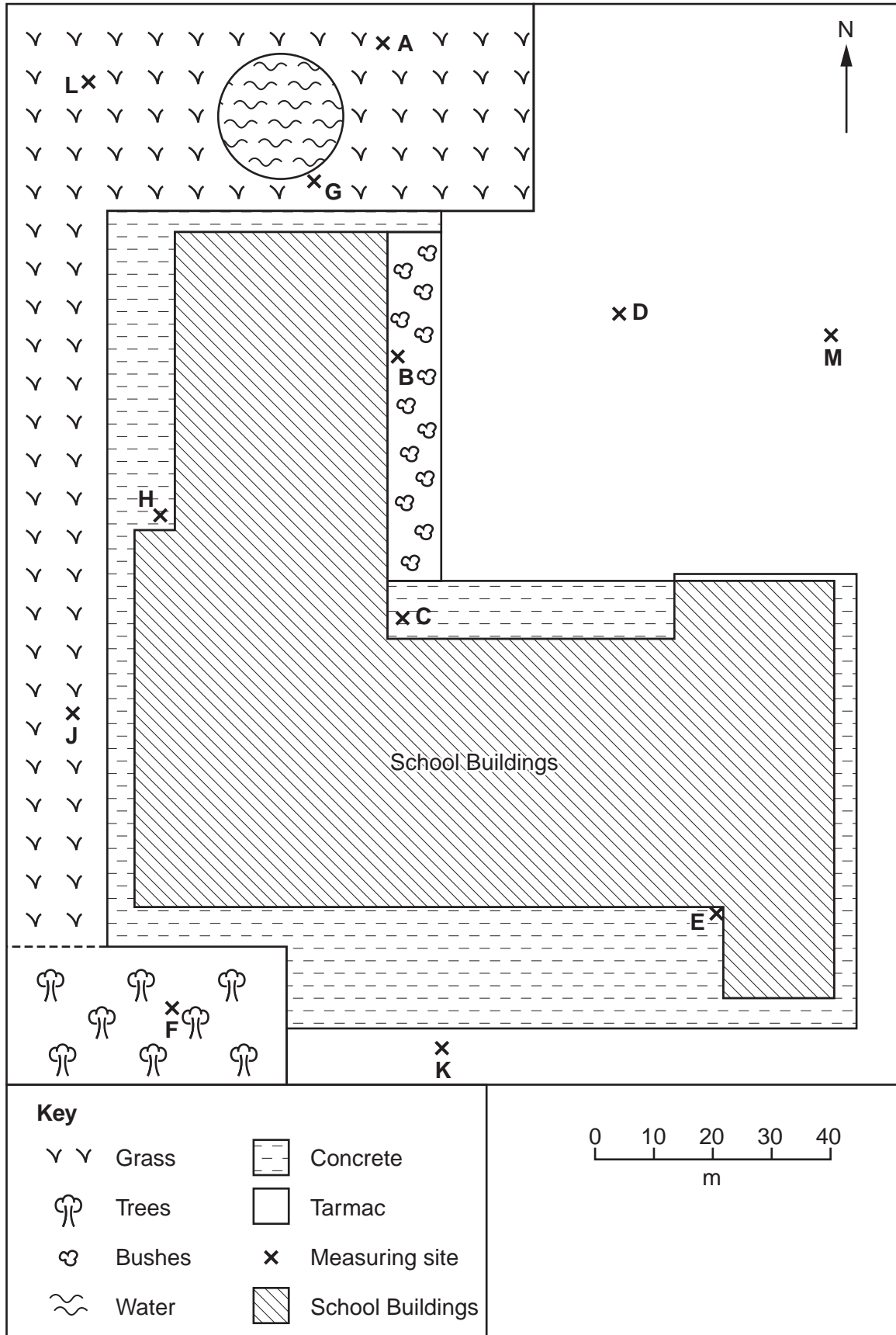


Fig. 8 for Question 2

Global Positioning System

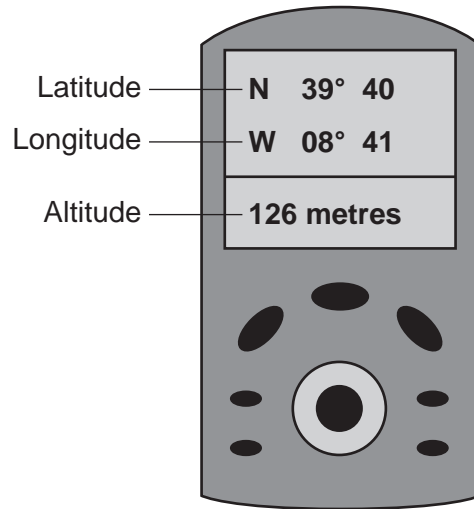


Table 4 for Question 2

Results recorded on transect up the hillside

| Distance from farmhouse (m) | Height of land (m) | Angle of slope (degrees) | Land use |
|-----------------------------|--------------------|--------------------------|----------|
| 100 | 107 | 5 | Potatoes |
| 200 | 112 | 4 | Potatoes |
| 300 | 116 | 5 | Barley |
| 400 | 121 | 1 | Barley |
| 500 | 122 | 4 | Oranges |
| 600 | 126 | 7 | Olives |
| 700 | 133 | 14 | Olives |
| 800 | 147 | 29 | Sheep |
| 900 | 176 | 27 | Sheep |

Table 5 for Question 2

Secondary data

| Land use | Average field size (hectares) | Total labour input (hours per hectare per year) |
|------------|-------------------------------|---|
| Artichokes | 3.3 | 13 |
| Barley | 5.0 | 10 |
| Olives | 3.9 | 7 |
| Onions | 3.1 | 17 |
| Oranges | 2.6 | 10 |
| Potatoes | 2.2 | 16 |
| Sheep | 5.8 | 5 |
| Tomatoes | 2.7 | 19 |

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

University of Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of