



UNIVERSITY *of* CAMBRIDGE
International Examinations

2007

INTERNATIONAL GCSE

MARKING SCHEME
MAXIMUM MARK: 100
SYLLABUS/COMPONENT: 0418/03 Information Technology SPECIMEN PAPER

If the name, centre number or candidate number is not printed on every page then this page will not be awarded any marks.

Header name, candidate no, centre no 1 mark

Candidate name Centre number Candidate number

PH	Species	Weighting	Psize	Rate
Acid	=COUNTIF(\$D\$7:\$D\$42,A2)	1.27	2	0.12
Alkaline	=COUNTIF(\$D\$7:\$D\$42,A3)	0.928	3	0.4
Neutral	=COUNTIF(\$D\$7:\$D\$42,A4)	1	4	0.795

Rate & Weighting Data entry 100% 1 mark

Code	Species	MaxSize	PH	Size	Bare	Pot	Soil	Cost
Al	=VLOOKUP(A7,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	2	0.73	=VLOOKUP(E7,PotPrice,2,1)	=IF(D7=\$A\$2,acid*F7,IF(D7=\$A\$3,alkaline*F7,neutral*F7))	=G7+H7
			Alkaline	3	0.95	=VLOOKUP(E8,PotPrice,2,1)	=IF(D8=\$A\$2,acid*F8,IF(D8=\$A\$3,alkaline*F8,neutral*F8))	=G8+H8
			Alkaline	4	1.09	=VLOOKUP(E9,PotPrice,2,1)	=IF(D9=\$A\$2,acid*F9,IF(D9=\$A\$3,alkaline*F9,neutral*F9))	=G9+H9
As	=VLOOKUP(A10,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	0.95	=VLOOKUP(E10,PotPrice,2,1)	=IF(D10=\$A\$2,acid*F10,IF(D10=\$A\$3,alkaline*F10,neutral*F10))	=G10+H10
As	=VLOOKUP(A11,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.09	=VLOOKUP(E11,PotPrice,2,1)	=IF(D11=\$A\$2,acid*F11,IF(D11=\$A\$3,alkaline*F11,neutral*F11))	=G11+H11
Be	=VLOOKUP(A12,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	2	0.77	=VLOOKUP(E12,PotPrice,2,1)	=IF(D12=\$A\$2,acid*F12,IF(D12=\$A\$3,alkaline*F12,neutral*F12))	=G12+H12
Be	=VLOOKUP(A13,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	1.2	=VLOOKUP(E13,PotPrice,2,1)	=IF(D13=\$A\$2,acid*F13,IF(D13=\$A\$3,alkaline*F13,neutral*F13))	=G13+H13
Be	=VLOOKUP(A14,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.57	=VLOOKUP(E14,PotPrice,2,1)	=IF(D14=\$A\$2,acid*F14,IF(D14=\$A\$3,alkaline*F14,neutral*F14))	=G14+H14
SB	=VLOOKUP(A15,Code!\$A\$2:\$B\$15,2,1)	3	Acid	2	0.79	=VLOOKUP(E15,PotPrice,2,1)	=IF(D15=\$A\$2,acid*F15,IF(D15=\$A\$3,alkaline*F15,neutral*F15))	=G15+H15
SB	=VLOOKUP(A16,Code!\$A\$2:\$B\$15,2,1)	3	Acid	3	1	=VLOOKUP(E16,PotPrice,2,1)	=IF(D16=\$A\$2,acid*F16,IF(D16=\$A\$3,alkaline*F16,neutral*F16))	=G16+H16
SB	=VLOOKUP(A17,Code!\$A\$2:\$B\$15,2,1)	3	Acid	4	1.1	=VLOOKUP(E17,PotPrice,2,1)	=IF(D17=\$A\$2,acid*F17,IF(D17=\$A\$3,alkaline*F17,neutral*F17))	=G17+H17
SC	=VLOOKUP(A18,Code!\$A\$2:\$B\$15,2,1)	3	Acid	2	0.8	=VLOOKUP(E18,PotPrice,2,1)	=IF(D18=\$A\$2,acid*F18,IF(D18=\$A\$3,alkaline*F18,neutral*F18))	=G18+H18
SC	=VLOOKUP(A19,Code!\$A\$2:\$B\$15,2,1)	3	Acid	3	1	=VLOOKUP(E19,PotPrice,2,1)	=IF(D19=\$A\$2,acid*F19,IF(D19=\$A\$3,alkaline*F19,neutral*F19))	=G19+H19
SC	=VLOOKUP(A20,Code!\$A\$2:\$B\$15,2,1)	3	Acid	4	1.1	=VLOOKUP(E20,PotPrice,2,1)	=IF(D20=\$A\$2,acid*F20,IF(D20=\$A\$3,alkaline*F20,neutral*F20))	=G20+H20

COUNTIF Correct formulae 3 marks

Species Lookup used 1 mark
 External file/sheet for code 1 mark
 Correct range & return column 1 mark

Pot Named range PotPrice 1 mark
 Correct Lookup formulae 1 mark

Soil Nested IF 1 mark
 Correct named cells 3 marks
 Correct formulae (3 parts) 3 marks

Li	=VLOOKUP(A25,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	2	0.87	=VLOOKUP(E24,PotPrice,2,1)	=IF(D24=\$A\$2,acid*F24,IF(D24=\$A\$3,alkaline*F24,neutral*F24))	=G24+H24
Li	=VLOOKUP(A26,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	1.08	=VLOOKUP(E25,PotPrice,2,1)	=IF(D25=\$A\$2,acid*F25,IF(D25=\$A\$3,alkaline*F25,neutral*F25))	=G25+H25
Wa	=VLOOKUP(A27,Code!\$A\$2:\$B\$15,2,1)	1	Neutral	3	2.53	=VLOOKUP(E27,PotPrice,2,1)	=IF(D27=\$A\$2,acid*F27,IF(D27=\$A\$3,alkaline*F27,neutral*F27))	=G27+H27
FM	=VLOOKUP(A28,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	2	0.75	=VLOOKUP(E28,PotPrice,2,1)	=IF(D28=\$A\$2,acid*F28,IF(D28=\$A\$3,alkaline*F28,neutral*F28))	=G28+H28
FM	=VLOOKUP(A29,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	3	0.95	=VLOOKUP(E29,PotPrice,2,1)	=IF(D29=\$A\$2,acid*F29,IF(D29=\$A\$3,alkaline*F29,neutral*F29))	=G29+H29

Replication All 4 formulae 1 mark
 Orientation Landscape & fit to page 1 mark

Cost Correct cells added 1 mark

Sy	=VLOOKUP(A33,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	2	0.73	=VLOOKUP(E33,PotPrice,2,1)	=IF(D33=\$A\$2,acid*F33,IF(D33=\$A\$3,alkaline*F33,neutral*F33))	=G33+H33
Sy	=VLOOKUP(A34,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	3	0.82	=VLOOKUP(E34,PotPrice,2,1)	=IF(D34=\$A\$2,acid*F34,IF(D34=\$A\$3,alkaline*F34,neutral*F34))	=G34+H34
Sy	=VLOOKUP(A35,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	4	0.96	=VLOOKUP(E35,PotPrice,2,1)	=IF(D35=\$A\$2,acid*F35,IF(D35=\$A\$3,alkaline*F35,neutral*F35))	=G35+H35
Wi	=VLOOKUP(A36,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	2	0.87	=VLOOKUP(E36,PotPrice,2,1)	=IF(D36=\$A\$2,acid*F36,IF(D36=\$A\$3,alkaline*F36,neutral*F36))	=G36+H36
Wi	=VLOOKUP(A37,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	3	0.96	=VLOOKUP(E37,PotPrice,2,1)	=IF(D37=\$A\$2,acid*F37,IF(D37=\$A\$3,alkaline*F37,neutral*F37))	=G37+H37
Wi	=VLOOKUP(A38,Code!\$A\$2:\$B\$15,2,1)	2	Neutral	4	1.02	=VLOOKUP(E38,PotPrice,2,1)	=IF(D38=\$A\$2,acid*F38,IF(D38=\$A\$3,alkaline*F38,neutral*F38))	=G38+H38
Ye	=VLOOKUP(A39,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	2	3.85	=VLOOKUP(E39,PotPrice,2,1)	=IF(D39=\$A\$2,acid*F39,IF(D39=\$A\$3,alkaline*F39,neutral*F39))	=G39+H39
Ye	=VLOOKUP(A40,Code!\$A\$2:\$B\$15,2,1)	2	Alkaline	3	4.76	=VLOOKUP(E40,PotPrice,2,1)	=IF(D40=\$A\$2,acid*F40,IF(D40=\$A\$3,alkaline*F40,neutral*F40))	=G40+H40
Pp	=VLOOKUP(A41,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	3	1.09	=VLOOKUP(E41,PotPrice,2,1)	=IF(D41=\$A\$2,acid*F41,IF(D41=\$A\$3,alkaline*F41,neutral*F41))	=G41+H41
Pp	=VLOOKUP(A42,Code!\$A\$2:\$B\$15,2,1)	3	Alkaline	4	1.25	=VLOOKUP(E42,PotPrice,2,1)	=IF(D42=\$A\$2,acid*F42,IF(D42=\$A\$3,alkaline*F42,neutral*F42))	=G42+H42

Weighting 1dp 1 mark

PH	Species	Weighting	Psize	Rate
Acid		6	1.3	2
Alkaline		23	0.9	3
Neutral		7	1.0	4

Rate, Bare, Pot, Soil, Cost
 2dp & Currency – sterling 1 mark

Code	Species	MaxSize	PH	Size	Bare	Pot	Soil	Cost
Al	Alder	2	Alkaline	2	£0.73	£0.12	£0.68	£0.80
Al	Alder	2	Alkaline	3	£0.95	£0.40	£0.88	£1.28
Al	Alder	2	Alkaline	4	£1.09	£0.80	£1.01	£1.81
As	Ash	3	Alkaline	3	£0.95	£0.40	£0.88	£1.28
As	Ash	3	Alkaline	4	£1.09	£0.80	£1.01	£1.81
Be	Beech	3	Alkaline	2	£0.77	£0.12	£0.71	£0.83
Be	Beech	3	Alkaline	3	£1.20	£0.40	£1.11	£1.51
Be	Beech	3	Alkaline	4	£1.57	£0.80	£1.46	£2.25
SB	Silver Birch	3	Acid	2	£0.79	£0.12	£1.00	£1.12
SB	Silver Birch	3	Acid	3	£1.00	£0.40	£1.27	£1.67
SB	Silver Birch	3	Acid	4	£1.10	£0.80	£1.40	£2.19
SC	Sweet Chestnut	3	Acid	2	£0.80	£0.12	£1.02	£1.14
SC	Sweet Chestnut	3	Acid	3	£1.00	£0.40	£1.27	£1.67
SC	Sweet Chestnut	3	Acid	4	£1.45	£0.80	£1.84	£2.64
HC	Horse Chestnut	3	Alkaline	2	£0.78	£0.12	£0.72	£0.84
HC	Horse Chestnut	3	Alkaline	3	£1.08	£0.40	£1.00	£1.40
HC	Horse Chestnut	3	Alkaline	4	£1.21	£0.80	£1.12	£1.92
Li	Lime	3	Alkaline	2	£0.87	£0.12	£0.81	£0.93
Li	Lime	3	Alkaline	3	£1.08	£0.40	£1.00	£1.40
Li	Lime	3	Alkaline	4	£1.44	£0.80	£1.34	£2.13
Wa	Walnut	1	Neutral	3	£2.53	£0.40	£2.53	£2.93
FM	Field Maple	2	Alkaline	2	£0.75	£0.12	£0.70	£0.82
FM	Field Maple	2	Alkaline	3	£0.95	£0.40	£0.88	£1.28
FM	Field Maple	2	Alkaline	4	£1.10	£0.80	£1.02	£1.82
Oa	Oak	3	Alkaline	2	£0.80	£0.12	£0.74	£0.86
Oa	Oak	3	Alkaline	3	£1.12	£0.40	£1.04	£1.44
Sy	Sycamore	2	Neutral	2	£0.73	£0.12	£0.73	£0.85
Sy	Sycamore	2	Neutral	3	£0.82	£0.40	£0.82	£1.22
Sy	Sycamore	2	Neutral	4	£0.96	£0.80	£0.96	£1.76
Wi	Willow	2	Neutral	2	£0.87	£0.12	£0.87	£0.99
Wi	Willow	2	Neutral	3	£0.96	£0.40	£0.96	£1.36
Wi	Willow	2	Neutral	4	£1.02	£0.80	£1.02	£1.82
Ye	Yew	2	Alkaline	2	£3.85	£0.12	£3.57	£3.69
Ye	Yew	2	Alkaline	3	£4.76	£0.40	£4.42	£4.82
Pp	Poplar	3	Alkaline	3	£1.09	£0.40	£1.01	£1.41
Pp	Poplar	3	Alkaline	4	£1.25	£0.80	£1.16	£1.96

Candidate name Centre number Candidate number

Step 21

Species	PH	Size	Cost
Alder	Alkaline	2	£0.80
Beech	Alkaline	2	£0.83
Horse Chestnut	Alkaline	2	£0.84
Lime	Alkaline	2	£0.93
Field Maple	Alkaline	2	£0.82
Oak	Alkaline	2	£0.86
Sycamore	Neutral	2	£0.85
Willow	Neutral	2	£0.99

Hidden Rows 1-5 1 mark
 Columns A, C, F, G, H 1 mark
 Search Cost <1 2 marks

Step 22

Species	PH	Size	Cost
Beech	Alkaline	4	£2.25
Silver Birch	Acid	4	£2.19
Sweet Chestnut	Acid	4	£2.64
Lime	Alkaline	4	£2.13

Search Size = 4 AND Cost >2 2 marks
All fields may be visible

STYLESHEET

h1 { color: #000080; font-family: Arial, sans-serif; font-size:36pt; text-align: Center; font-weight: bold }
h2 { color: #00FF00; font-family: Times New Roman, serif; font-size: 14pt; text-align: left }
h3 { color: #0000FF; font-family: Arial, sans-serif; font-size: 12pt; text-align: left }
li { color: #0000FF; font-family: Arial, sans-serif; font-size: 10pt; text-align: left }
p { color: #000000; font-family: Arial, sans-serif; font-size: 10pt; text-align: left }

Candidate name Centre number Candidate number

Colour all correct 1 mark
Font all correct 1 mark
Size all correct – including units 1 mark
Alignment all correct 1 mark
h1 bold 1 mark

Top left Last edited by & Name, Centre and Candidate number in style p 1 mark

Heading style h1 from stylesheet 1 mark

Table 4 rows & 2 columns 1 mark
Merge cells in row 1 1 mark
Merge cells in row 4 1 mark
Merge rows 2 & 3 in 2nd col 1 mark
Correct text in each cell 1 mark

Last edited by Candidate name, centre number, candidate number

Rootrainer Trees

Our company grows all the plants to keep down the costs to the customer. Style h2 From stylesheet 1 mark

Plants for all soil types: Style p From stylesheet 1 mark

- acid
 - alkaline
 - neutral,
- Style li From stylesheet 1 mark

and for all environments: Style p From stylesheet 1 mark

- deciduous
 - coniferous
 - evergreen.
- Style li From stylesheet 1 mark

You can contact us in many ways. Style h2 From stylesheet 1 mark

Through our website on-line - use our order form. By post - order our catalogue and complete the order form. By phone or fax - all contact details on this website. You can order our catalogue for a full listing of our services.

Home Page Try Bonsai Order Form Style h3 From stylesheet 1 mark

Menu Contains Specimen3.TXT 1 mark
Style h2 & Border = 0 1 mark

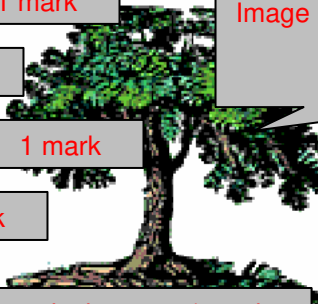


Image All visible 1 mark
Correct position 1 mark
Aspect ratio 1 mark

```
<HTML>  
<HEAD>  
  <TITLE>Homepage</TITLE>  
  <link rel="stylesheet" type="text/css" href="styles.css"  
</HEAD>  
<BODY>  
<p>Last updated by Candidate name, Candidate number, Centre number</p>  
<h1>Roottrainer Trees</h1>
```

External stylesheet attached 1 mark

```
<TABLE cellSpacing="5" cellPadding="3" width="100%" border=2>
```

```
<TR>  
  <TD colspan="2"><h2>Our company grows all the  
customer.</h2></TD>
```

Table 1 mark
Cell padding 3 1 mark
Cell spacing 5 1 mark
Border 2 1 mark

```
</TR>  
<TR>  
  <TD><p>Plants for all soil types:</p>  
    <li>acid</li>  
    <li>alkaline</li>  
    <li>neutral,</li>  
  <p>and for all environments:</p>  
    <li>deciduous</li>  
    <li>coniferous</li>  
    <li>evergreen.</li></TD>
```

```
<TD rowspan="2"></TD>
```

```
</TR>
```

```
<TR>  
  <TD><h2>You can contact us in many ways.</h2></TD>
```

Image 1 mark
Height = "250"

```
</TR>
```

```
<TR>  
  <TD colspan="2"><h3>Through our website on-line - use our order form. By post - order our  
catalogue and complete the order form. By phone or fax - all contact details on this website. You can  
order our catalogue for a full listing of our services.</h3></TD>
```

```
</TR>
```

```
</TABLE>
```

```
<TABLE cellSpacing="0" cellPadding="0" width="600" border="0">
```

```
<TBODY>
```

```
<TR>
```

```
<TD><h2>Home Page </h2></TD>
```

```
<TD><h2><a href="SPECIMEN2.htm" target="_external">Try Bonsai</a></h2></TD>
```

```
<TD><h2>Order Form</h2></TD>
```

```
</TR>
```

```
</TBODY>
```

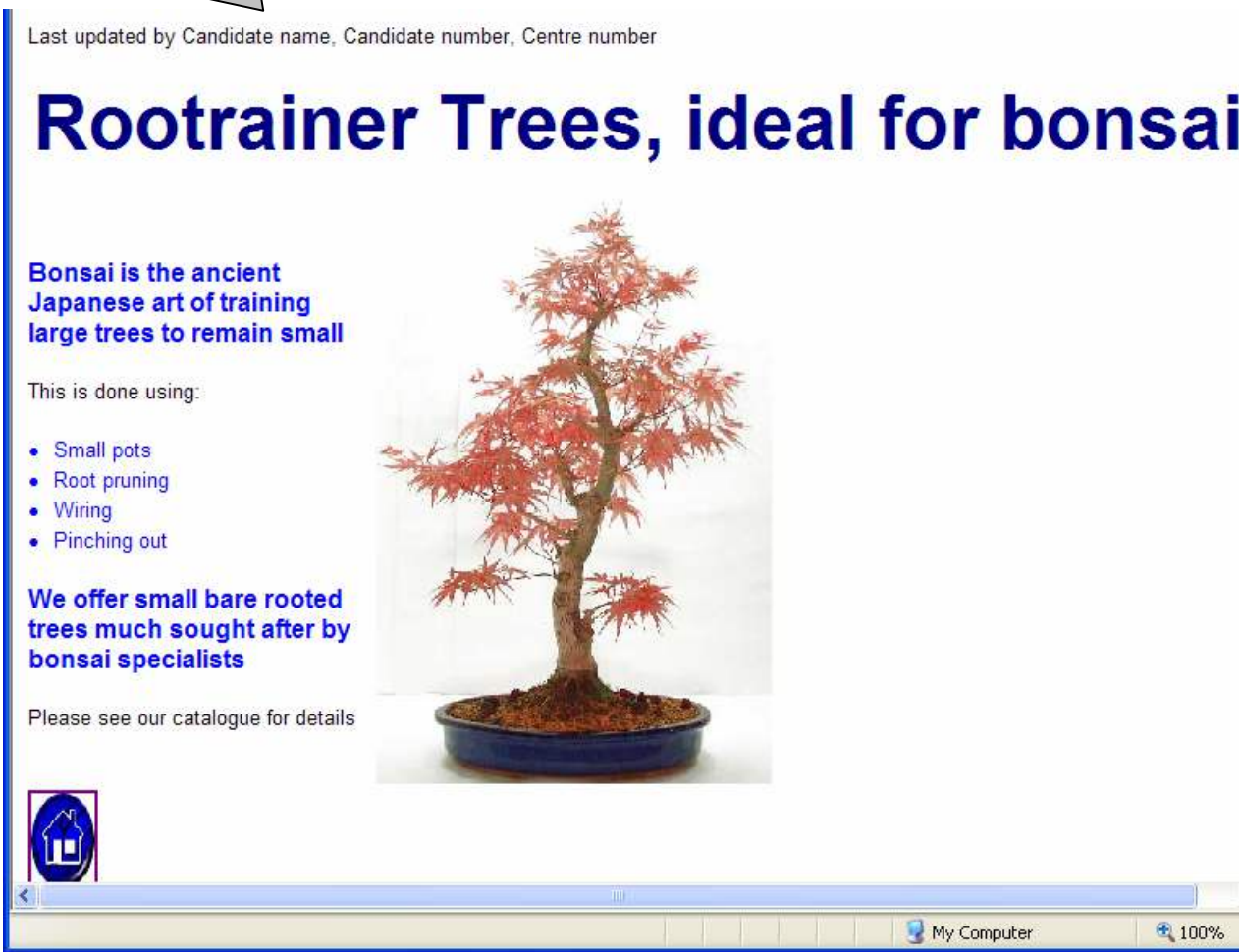
```
</TABLE>
```

```
</BODY>
```

```
</HTML>
```

Hyperlink 1 mark
Correct file 1 mark
Target = "_external"

Top left NAME & No's 1 mark



External stylesheet attached 1 mark

```
<head>
<title>Bonsai from Rootrainer</title>
<link rel="stylesheet" type="text/css" href="styles.css" />
</head>
<p>Last updated by Candidate name, Candidate number, Centre number</p>
<h1>Rootrainer Trees, ideal for bonsai</h1>
```

```
<table border="0" cellpadding="0" cellspacing="0" width="800" height="300">
<tr>
```

```
<td width="220" height="300">
<h3><b>Bonsai is the ancient Japanese art of training large trees to remain small</b></h3>
<p>This is done using:</p>
<li>Small pots</li>
<li>Root pruning</li>
<li>Wiring</li>
<li>Pinching out</li>
```

Image In this cell 1 mark

```
<h3>We offer small bare rooted trees much sought after by bonsai specialists</h3>
<p>Please see our catalogue for details</p>
```

Image Width 250 1 mark

```
</td>
<td width="580" height="300">
<img alt="Placeholder for image" />
</td>
```

Image Replaced text 1 mark

```
</tr>
```

</table>

</body>

Image	Width 40 Height 60	1 mark 1 mark
Heading	Dark blue, centre aligned, 48 point	1 mark
Subheading	Dark blue, left aligned, 30 point	1 mark
Hyperlink		1 mark

The screenshot shows a presentation slide with a light blue background. At the top right is a small tree logo. The main title 'Rootrainer Trees' is centered in a large, dark blue font. Below the title is a red-bordered text box with the text 'Growing trees for you, your children, your grandchildren ...' in a yellow font. At the bottom left, there is a placeholder for 'Candidate name & Today's date'. At the bottom right, the number '1' is displayed. Below the slide is a 'Presenter notes' area containing the text 'Introduce yourself and your role within the company.' and a toolbar with various icons.

Presenter notes	on all slides	1 mark
	100 % Correct	1 mark
	right place	1 mark

Master slide - CHECK CONSISTENCY		
Logo	Tree, top right	1 mark
Page numbering	Bottom right & automated	1 mark
Name and date	bottom left	1 mark
All 3	Not overlapping text or object	1 mark

Heading	Dark blue, centre aligned, 48 point	1 mark
Top Bullets	Black, left aligned, 18 point, consistent	1 mark
Subheading	Dark blue, left aligned, 30 point	1 mark
2 nd Bullets	Black, left aligned, 18 point, consistent	1 mark

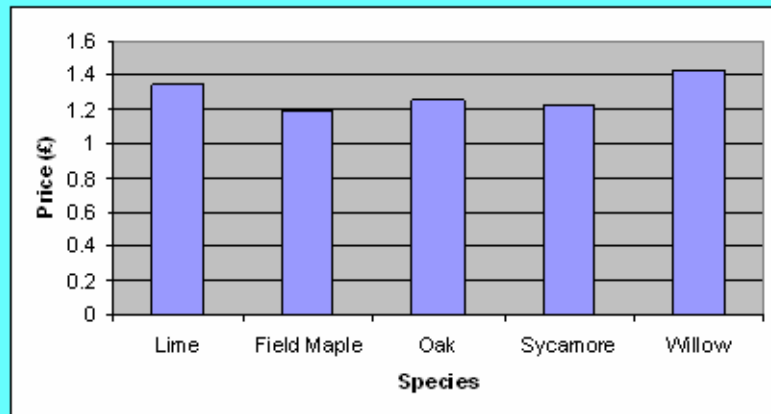
Image	SPECIMEN6.jpg	1 mark
	Fills most of right side	1 mark
	No overlap	1 mark
2 nd Bullets	Black, left aligned, 18 point, consistent	1 mark
Line	Thin & dark blue	1 mark
	Vertical	1 mark

Heading Dark blue, centre aligned, 48 point 1 mark
Bullets Black, left aligned, 18 point, consistent 1 mark
Consistent with slide 2 1 mark

Price calculation



- By formulae
- Relative to pot size
- Sample prices



Candidate name &
Today's date

3

Chart Correct chart 1 mark
Species names visible 1 mark
Species label 1 mark
Price (£) label 1 mark
Right side 1 mark

Audience notes

Printed with space to annotate
3 / slide

1 mark
1 mark



Rootrainer Trees

Growing trees for you, your children, your grandchildren ...

Generators notes to
Tanya Wilson



Plants for all soil types:

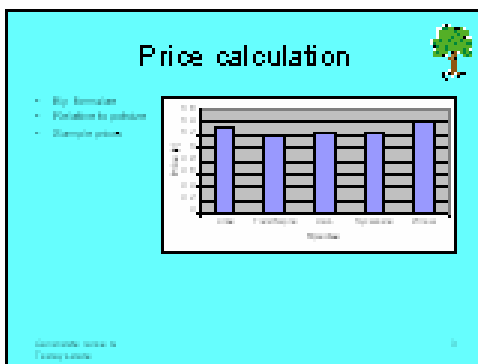
- Acid
- Alkaline
- Neutral

and for all environments

- Deciduous
- Coniferous
- Evergreen

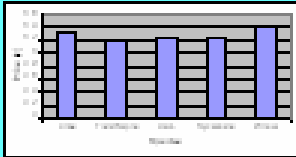


Generators notes to
Tanya Wilson



Price calculation

- Buy formulae
- Portion to purchase
- Sample price



Tree Type	Price
Small	10.00
Medium	15.00
Large	20.00
Extra Large	25.00
Special	30.00

Generators notes to
Tanya Wilson

Animation Bullets only 2 marks

Plants for all soil types:

- 1 • Acid
- 2 • Alkaline
- 3 • Neutral

and for all environments

- 4 • Deciduous
- 5 • Coniferous
- 6 • Evergreen

Candidate name & Today's date

2

Effect: Remove
Start: [dropdown]
Property: [dropdown] Speed: [dropdown]

- 1 ✓ Acid
- 2 ✓ Alkaline
- 3 ✓ Neutral
- 4 ✓ Deciduous
- 5 ✓ Coniferous
- 6 ✓ Evergreen

Re-Order

Transition slides 2 and 3 2 marks

1 2 3

Slide Transition

Apply to selected slides:

- No Transition
- Blinds Horizontal
- Blinds Vertical
- Box In
- Box Out
- Checkerboard Across
- Checkerboard Down
- Comb Horizontal
- Comb Vertical
- Cover Down
- Cover Left
- Cover Right
- Cover Up
- Cover Left-Down
- Cover Left-Up
- Cover Right-Down

Modify transition