

Cambridge Assessment International Education Cambridge International General Certificate of Secondary Education

#### INFORMATION AND COMMUNICATION TECHNOLOGY

Paper 3 Practical Test B MARK SCHEME Maximum Mark: 80 0417/31 March 2019

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the March 2019 series for most Cambridge IGCSE<sup>™</sup>, Cambridge International A and AS Level components and some Cambridge O Level components.

This syllabus is regulated for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

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### **Generic Marking Principles**

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- · the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit
  is given for valid answers which go beyond the scope of the syllabus and mark scheme,
  referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

## **Evidence 1**

4 from: Text can't be read by age group Text too small Too many colours Complex text – turquoise Not intuitive / better to click on colour Text reader relates sound to word

## **Evidence 2**

1 mark each:

- a) presentation
- b) structure/content
- c) presentationd) behaviour

### **Evidence 3**

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4 marks

## Evidence 4

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Evidence 6:			
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Latin name Code Category Height (m) Loode Toode Doode Likes Tolerates Dislikes Evergreen Notes Almus glutinosa LT 23 W N

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4	Common name	Latin name	Category		ht (m)	
5	Alder	Alnus glutinosa	=VLOOKUP(C5,Category.csv1\$A\$2:\$B\$7,2,0)	25	30-20-20-20-20-20-20-20-20-20-20-20-20-20	
6	Silver birch	Betula pendula	=VLOOKUP(C6,Category.csv1\$A\$2:\$B\$7,2,0)	25		
7	Hornbeam	Carpinus betulus	=VLOOKUP(C7,Category.csv1\$A\$2:\$B\$7,2,0)	25		
8	Beech	Fagus sylvatica	=VLOOKUP(C8,Category.csv1\$A\$2:\$B\$7,2,0)	25		
9	Ash	Fraxinus excelsion	=VLOOKUP(C9,Category.csv1\$A\$2:\$B\$7,2,0)	30		
10	Holly	llex aquifolium	=VLOOKUP(C10,Category.csv!\$A\$2:\$B\$7,2,0	) 25		
11	Scots pine	Pinus sylvestris	=VLOOKUP(C11,Category.csv!\$A\$2:\$B\$7,2,0	) 30		
12	black poplar	Populus nigraÿsubsp.ÿbetulifolia	=VLOOKUP(C12,Category.csv1\$A\$2:\$B\$7,2,0	35		
13	Sessile oak	Quercus petraea	=VLOOKUP(C13,Category.csv!\$A\$2:\$B\$7,2,0	30		
14	English oak	Quercus robur	=VLOOKUP(C14,Category.csv!\$A\$2:\$B\$7,2,0	35		
15	White willow	Saltx alba	=VLOOKUP(C15,Category.csv!\$A\$2:\$8\$7,2,0	25		
16	Crack willow	Salix fragilis	=VLOOKUP(C16,Category.csv!\$A\$2:\$B\$7,2,0	) 25		
17	Small-leaved lime	Tillia cordataÿ	=VLOOKUP(C17,Category.csv!\$A\$2:\$8\$7,2,0	25		
18	Large-leaved lime	Tilia platyphyllosý	=VLOOKUP[C18,Category.csv!\$A\$2:\$B\$7,2,0			
19	Wych elm	Ulmus glabraÿ	=VLOOKUP(C19,Category.csv1\$A\$2:\$B\$7,2,0	35		
20	Small-leaved elm	Ulmus minory	=VLOOKUP(C20,Category.csv!\$A\$2:\$B\$7,2,0	30		
21	Plot's elm	Ulmus plotiiÿ	=VLOOKUP(C21,Category.csvl\$A\$2:\$B\$7,2,0	30		
22	English elm	Ulmus procera@	=VLOOKUP(C22,Category.csv1\$A\$2:\$B\$7,2,0			
23	Downy birch	Betula pubescensy	=VLOOKUP(C23,Category.csv1\$A\$2:\$B\$7,2,0	Sec. 10002010		
24	Hawthorn	Crataegus monogynaÿ	=VLOOKUP(C24,Category.csv1\$A\$2:\$B\$7,2,0			
25	Aspen	Populus tremulaÿ	=VLOOKUP(C25,Category.csv!\$A\$2:\$B\$7,2,0			
_	Wild cherry	Prunus aviumÿ	=VLOOKUP(C26,Category.csv1\$A\$2:\$8\$7,2,0			
_	Bird cherry	Prunus padusÿ	=VLOOKUP(C27,Category.csv!\$A\$2:\$8\$7,2,0	C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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# Cambridge IGCSE – Mark Scheme **PUBLISHED**

A Candidate ZZ999 9999

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Likes	Tolerates	
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=IF(F6<>"",VLOOKUP(F6,TreeCodes.csv!\$A\$2:\$B\$9,2,0),"")	"",VLOOKUP(G6,TreeCodes.csv!\$A\$2:\$B\$9,2,0),"")	
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] ==F(F10⇔"",VLOOKUP(F10,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")		1
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=IF(F22<)",VLOOKUP(F22,TreeCodes.cs/SA52:5859,2,0),")	=IF(G22<",VLOOKUP(G22,TreeCodes.csv1\$A\$2:\$8\$9,2,0),")	
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=IF(F24<)",VLOOKUP(F24,TreeCodes.csv!SA52:5859,2,0),")	=IF(G24 ",VLOOKUP(G24,TreeCodes.cs/!\$A\$2:\$8\$9,2,0),"")</td <td></td>	
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=IF(F26<>"",VLOOKUP(F26,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	=IF[G26<>"",VLOOKUP[G26,TreeCodes.csv!\$A\$2:\$8\$9,2,0],""]	
=IF(F27\;VLOOKUP(F27,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	=IF(G27 ->"", VLOOKUP(G27, TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	
=IF(F28<>"",VLOOKUP(F28,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	=IF(G28<)",VLOOKUP(G28,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	
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# Cambridge IGCSE – Mark Scheme **PUBLISHED**

A Candidate ZZ999 9999

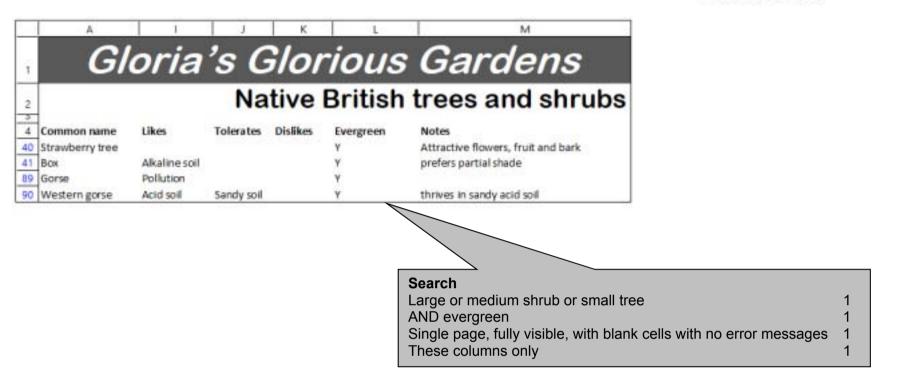
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1				
	Native	Britis	h trees and shrubs	
2	Hudro	Difficio	in a ceo ana om abo	
4	Dislikes	Evergreen	Notes	
5	=IF(H5 <> "", VLOOKUP(H5, TreeCodes.csv1\$A\$2:58\$9,2,0), "")	N		
6	=IF(H6 - ", VLOOKUP(H6, TreeCodes.csv!\$A\$2:\$B\$9,2,0), "")	N	attractive white bark	
7	=IF(H7<>"",VLOOKUP(H7,TreeCodes.csv1\$A52:\$B\$9,2,0),"")	N	good for hedging	
8	=IF(H8<>"",VLOOKUP(H8,TreeCodes.csv!\$A\$2:\$B\$9,2,0),"")	N	good for hedging and chalky soils	
9	=IF(H9<)",VLOOKUP(H9,TreeCodes.csv1\$A\$2:\$B\$9,2,0),"")	N	seeds freely	
10	=IF(H10<>"",VLOOKUP(H10,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	Y	attractive berries on female forms	
11	=IF(H11<>"",VLOOKUP(H11,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	Y	good specimen tree	
12	=IF(H12<>"",VLOOKUP(H12,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	pollution-tolerant	
13	=IF(H13<>"",VLOOKUP(H13,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	good specimen tree	
14	=IF(H14<>"",VLOOKUP(H14,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	and reacimen tree	
15	=IF(H15<>"",VLOOKUP(H15,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	Replication all 4 columns	1
6	=IF(H16<>"",VLOOKUP(H16,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	Hidden Columns C, F, G, H	1
17	=IF(H17<>"",VLOOKUP(H17,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N		•
18	=IF(H18<>"",VLOOKUP(H18,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	prefers chalky soil	
19	=IF(H19<>"",VLOOKUP(H19,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	susceptible to Dutch elm disease	
20	=IF(H20<>"",VLOOKUP(H20,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	susceptible to Dutch elm disease	
21	=IF(H21<>"",VLOOKUP(H21,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	susceptible to Dutch elm disease	
22	=IF(H22<>"",VLOOKUP(H22,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	susceptible to Dutch elm disease	
23	=IF(H23<>"",VLOOKUP(H23,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	62 W. W. M.	
24	=IF(H24<>"",VLOOKUP(H24,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	attractive berries	
25	=IF(H25<>"",VLOOKUP(H25,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	tolerant of most soils	
26	=IF(H26<>"",VLOOKUP(H26,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	attractive flowers and fruits	
27	=IF(H27<>"",VLOOKUP(H27,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	fragrant flowers	
28	=IF(H28<>"",VLOOKUP(H28,TreeCodes.csv!\$A\$2:\$8\$9,2,0),"")	N	yellow catkins on male trees	
29	=IF(H29<>"",VLOOKUP(H29,TreeCodes.csv1\$A\$2:\$8\$9,2,0),"")	N	showy catkins on male trees	

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Footer Printout Correct Auto file name and path on left1Landscape, rows 1–29, row and col and fully visible1

# Cambridge IGCSE – Mark Scheme **PUBLISHED**

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