

Cambridge Assessment International Education

Cambridge International Advanced Subsidiary and Advanced Level

APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/02

Paper 2 Practical Test A

October/November 2017

MARK SCHEME
Maximum Mark: 120

_				
Pu	bI	IS	ne	d

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.

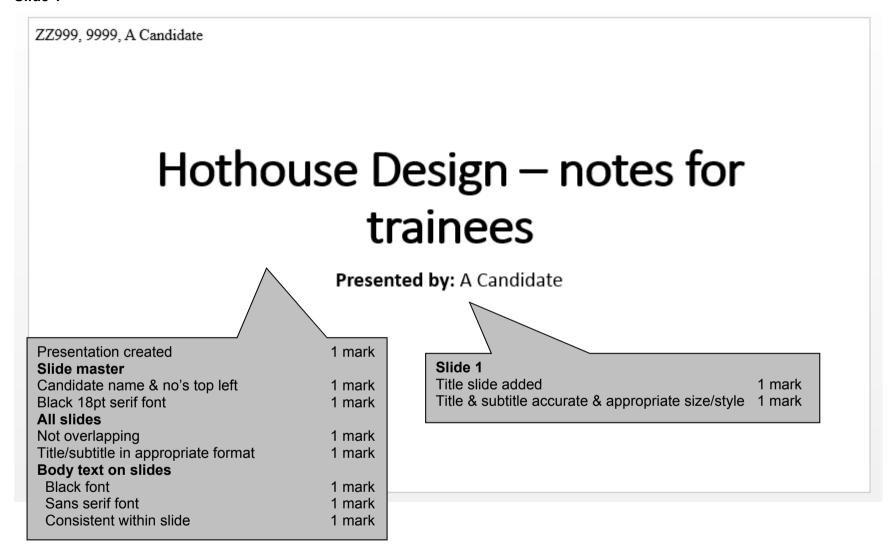
Cambridge International is publishing the mark schemes for the October/November 2017 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

 ${\rm \rlap{R}\hskip-1pt B}$ IGCSE is a registered trademark.



No marks to be awarded for any printout not containing the candidate name, candidate number and centre number.

© UCLES 2017 Page 2 of 21



© UCLES 2017 Page 3 of 21

2017

Slide 2

ZZ999, 9999, A Candidate

Help for trainees

Select the topic you require

- Corporate house styles
- Verification
- Validation
- Contact the office

© UCLES 2017 Page 4 of 21

ZZ999, 9999, A Candidate

Corporate house style

4 features of a corporate house style are:

- Consistent colour scheme
- Consistent font styles
- · Logo/trade mark/symbol
- Branding
- Set of rules
- Document specifications

[Max 4]

© UCLES 2017 Page 5 of 21

ZZ999, 9999, A Candidate

Corporate house style

2 reasons why it is used are:

- Method of recognising company/brand recognition
- Ensure consistency of company documents

[2]

© UCLES 2017 Page 6 of 21

ZZ999, 9999, A Candidate

Corporate house style

- 2 ways a company could set up its house style are:
- · Styles applied to all documents/website/vehicles/ advertising
- Style guides/document templates are used

[2]

© UCLES 2017 Page 7 of 21

ZZ999, 9999, A Candidate

Corporate house style

6 examples where it may be seen are:

- Letterheads
- Business cards
- Advertising
- Websites
- Company vehicles
- Intranet
- · Predefined in software

[Max 6]

© UCLES 2017 Page 8 of 21

ZZ999, 9999, A Candidate

Verification

Verification ensures:

- Accuracy of data entry
- Integrity of transmitted data/data is consistent/not corrupted

[2]

© UCLES 2017 Page 9 of 21

ZZ999, 9999, A Candidate

Verification

7 methods of verification are:

- Double entry
- Two documents compared by computer
- Visual verification
- Manually compares original/source document with data entered
- Data block verification
- Checked by computer following transmission
- Using checksum

[7]

© UCLES 2017 Page 10 of 21

ZZ999, 9999, A Candidate

Validation

Validation ensures:

• Data entered is reasonable

[1]

© UCLES 2017 Page 11 of 21

ZZ999, 9999, A Candidate

Validation

Validation does not always work because:

 Data can be reasonable, (eg: in dd/mm/yy format date shows 08/01/17 for 1st August) but not correct.

[1]

© UCLES 2017 Page 12 of 21

ZZ999, 9999, A Candidate

Validation

5 methods of validation are:

- Range check
- Look up check
- Format check
- Length check
- Type check

[5]

© UCLES 2017 Page 13 of 21

Candidate name & numbers

In footer

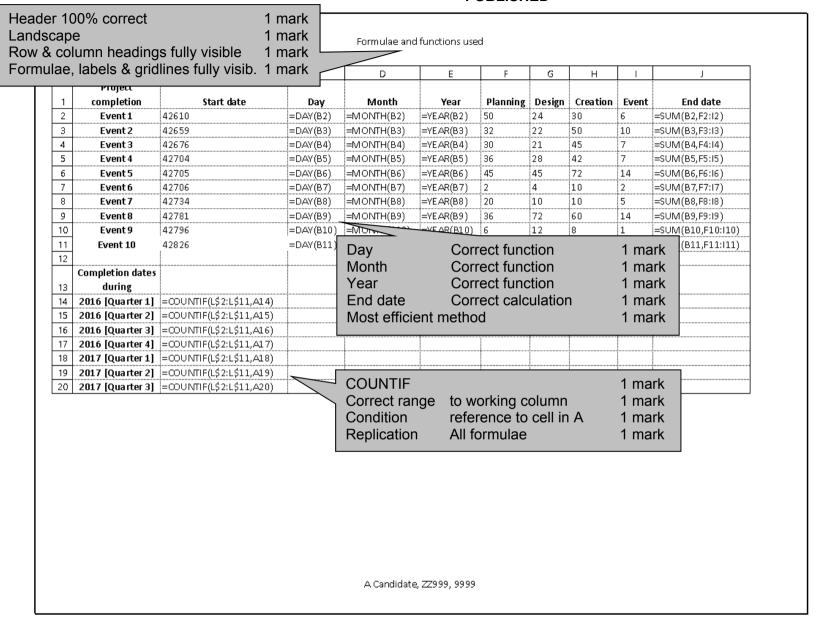
1 mark

© UCLES 2017 Page 14 of 21

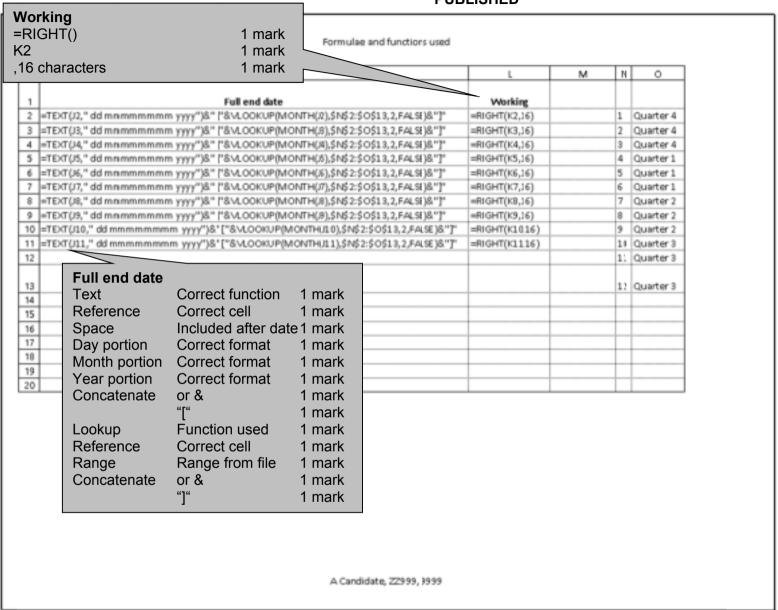
1 mark

Correct values shown for count

Cambridge International AS/A Level – Mark Scheme **PUBLISHED**



© UCLES 2017 Page 15 of 21



© UCLES 2017 Page 16 of 21

Cambridge International AS/A Level – Mark Scheme **PUBLISHED**

Planning time for tasks

	Α	В	С	D	Е	F	G	Н	1	J	К	L
	Project					-			-	-		
1	completion	Start date	Day	Month	Year	Planning	Design	Creation	Event	End date	Full end date	Working
2	Event 8	15/02/2017	15	2	2017	36	72	60	14	16/08/2017	16 August 2017 (Quarter 2)	2017 [Quarter 2]
3	Event 5	01/12/2016	1	12	2016	45	45	72	14	26/05/2017	26 May 2017 [Quarter 1]	2017 [Quarter 1]
4	Event 10	01/04/2017	1	4	2017	3	4	10	7	25/04/2017	25 April 2017 [Quarter 1]	2017 [Quarter 1]
5	Event 9	02/03/2017	2	3	2017	6	12	8	1	29/03/2017	29 March 2017 [Quarter 4]	2017 [Quarter 4]
6	Event 4	30/11/2016	30	11	2016	36	28	42	7	23/03/2017	23 March 2017 [Quarter 4]	2017 [Quarter 4]
7	Event 3	02/11/2016	2	11	2016	30	21	45	7	13/02/2017	13 February 2017 [Quarter 4]	2017 [Quarter 4]
8	Event 7	30/12/2016	30	12	2016	20	10	10	5	13/02/2017	13 February 2017 [Quarter 4]	2017 [Quarter 4]
9	Event 2	16/10/2016	16	10	2016	32	22	50	10	07/02/2017	07 February 2017 [Quarter 4]	2017 [Quarter 4]
10	Event 6	02/12/2016	2	12	2016	2	4	10	2	20/12/2016	20 December 2016 [Quarter 3]	2016 (Quarter 3)
11	Event 1	28/08/2016	28	8	2016	50	24	30	6	16/12/2016	16 December 2016 [Quarter 3]	2016 [Quarter 3]
12										\sim		
	Completion dates											
13	during											
14	2016 [Quarter 1]	0										
15	2016 [Quarter 2]	0				•				r		
16	2016 [Quarter 3]	2				Sorted						
17	2016 [Quarter 4]	0						vith integ	grity		mark	
18	2017 [Quarter 1]	2				Most re	ecent a	t top		1 r	mark	
19	2017 [Quarter 2]	1										
20	2017 [Quarter 3]	0				Evtract	nrinte	d Δ1 to I	20 fu	lly visible	1 mark	
			Gridline			-20 Tu	ily violbic	1 mark				
	A			В	╛							
	Completion dates											
	13 during						Co	orrect da	ıta ext	racted	1 mark	
1	16 2016 [Quarter 3] 2 Correct cell range, fully visible, row &											
1	8 2017 [Qua	arter 1]		2	2	column headings and gridlines 1 mark						
1	9 2017 [Qua	arter 2]	•••••	1								

© UCLES 2017 Page 17 of 21

October/November 2017

Header –100% correct & printed as specified

1 mark

Corrected values used

	Α	В	С	D	Е	F	G	Н	ı	J	К	L
	Project					-			-			
1	completion	Start date	Day	Month	Year	Planning	Design	Creation	Event	End date	Full end date	Working
2	Event 8	15/02/2017	15	2	2017	36	72	60	14	16/08/2017	16 August 2017 (Quarter 2)	2017 [Quarter 2]
3	Event 5	01/12/2016	1	12	2016	45	45	72	14	26/05/2017	26 May 2017 [Quarter 1]	2017 [Quarter 1]
4	Event 10	01/04/2017	1	4	2017	3	4	10	7	25/04/2017	25 April 2017 [Quarter 1]	2017 [Quarter 1]
5	Event 9	02/03/2017	2	3	2017	6	12	8	1	29/03/2017	29 March 2017 [Quarter 4]	2016 [Quarter 4]
6	Event 4	30/11/2016	30	11	2016	36	28	42	7	23/03/2017	23 March 2017 (Quarter 4)	2016 [Quarter 4]
7	Event 3	02/11/2016	2	11	2016	30	21	45	7	13/02/2017	13 February 2017 (Quarter 4)	2016 [Quarter 4]
8	Event 7	30/12/2016	30	12	2016	20	10	10	5	13/02/2017	13 February 2017 (Quarter 4)	2016 [Quarter 4]
9	Event 2	16/10/2016	16	10	2016	32	22	50	10	07/02/2017	07 February 2017 (Quarter 4)	2016 [Quarter 4]
10	Event 6	02/12/2016	2	12	2016	2	4	10	2	20/12/2016	20 December 2016 [Quarter 3]	2016 [Quarter 3]
11	Event 1	28/08/2016	28	8	2016	50	24	30	6	16/12/2016	16 December 2016 [Quarter 3]	2016 [Quarter 3]
12												
	Completion dates											
13	during											
14	2016 [Quarter 1]	0										
15	2016 [Quarter 2]	0							Working			
16	2016 [Quarter 3]	2							Correct 5 events changed 1 mark			
17	2016 [Quarter 4]	5							With years changed from 2017 to 2016 1 mark			
18	2017 [Quarter 1]	2							No changes to any other data (esp. Full end date) 1 mark			
19	2017 [Quarter 2]	1										
20	2017 [Quarter 3]	Q										

Correct values shown for count 1 mark

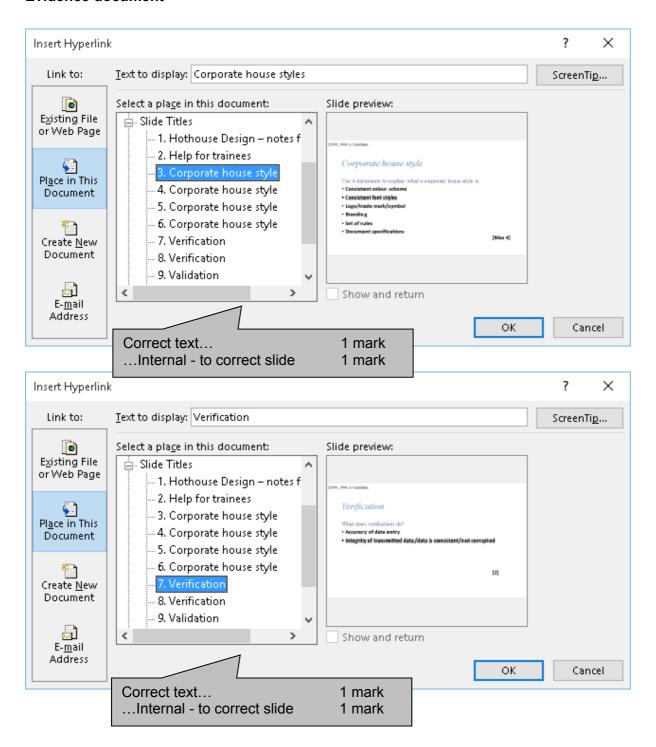
© UCLES 2017 Page 18 of 21

Header 100% correct & printed as specified 1 mark Corrected formulae and functions used

	L		
1	Working		
2	=IF(LEFT(RIGHT(K2,2),1)="4",TEXT(J2,"yyyy")-1&RIGHT(K2,12),RIGH	T(K2,16))	
3	=IF(LEFT(RIGHT(K3,2),1)="4",TEXT(J3,"yyyy")-1&RIGHT(K3,12),RIGH	T(K3 16))	
4	=IF(LEFT(RIGHT(K4,2),1)="4",TEXT(J4,"yyyy")-1&RIGHT(K4,12),RIGH	Working =IF () function	1 mark
	=IF(LEFT(RIGHT(K5,2),1)="4",TEXT(J5,"yyyy")-1&RIGHT(K5,12),RIGH	Extracting quarter no (4 marks) e.g.:
	=IF(LEFT(RIGHT(K6,2),1)="4",TEXT(J6,"yyyy")-1&RIGHT(K6,12)	LEFT(,1) RIGHT(K2,2)	1 mark 1 mark
	=IF(LEFT(RIGHT(K7,2),1)="4",TEXT(J7,"yyyy")-1&RIGHT(K7,12),R)	="4" Corrected version if test true (1 mark
	=IF(LEFT(RIGHT(K8,2),1)="4",TEXT(J8,"yyyy")-1&RIGHT(K8,12),RIGH	TEXT ()	1 mark
		J2 abs reference "yyyy" format	1 mark 1 mark
	=IF(LEFT(RIGHT(K9,2),1)="4",TEXT(J9,"yyyy")-1&RIGHT(K9,12),RIGH	-1	1 mark
10	=IF(LEFT(RIGHT(K10,2),1)="4",TEXT(J10,"yyyy")-1&RIGHT(K10,12),F	Concatenate or &	1 mark
11	=IF(LEFT(RIGHT(K11,2),1)="4",TEXT(J11,"yyyy")-1&RIGHT(K11,12),F	=RIGHT() K2	1 mark 1 mark
		,12 characters	1 mark
		Else if incorrect Same function as previous print Whole function	1 mark
		Most efficient working solution	1 mark

© UCLES 2017 Page 19 of 21

Evidence document



© UCLES 2017 Page 20 of 21

