

Mark Scheme (Results)

Summer 2019

Pearson Edexcel International GCSE In Information and Communication Technology (ICT)

(4IT1) Paper 02

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

TASK			Marks		
A1a	Logo includes: 1. image of scuba div 2. company name or	ver with background removed (1) CS Scuba (1)	2		
	Breathing tube must not Ignore case	be the same colour as the background			
A1b	Explain one reason why a l logo.	bitmap image would not be appropriate to be used for a	2		
	become pixelated (1)	table if the logo is made larger (1) as they would			
	OR Can increase file size (1) which would increase download time / processing / take up more storage space (1)				
	OR When logo is made smaller (1) could lose detail (1)				
		Total for Task A1	4		
A2a	 Data entry form: 1. Match the house style (1) – bold and italics on headings and logo top left 2. Suitable title – related to destination (1) 3. All field labels centre aligned (1) 		3		
A2b	Data entry via form:				
	Holiday ID	SA1			
	Country	South Africa			
	Region	Mabibi			
	Region Dive boat company				
		Mabibi			
	Dive boat company	Mabibi Explorer			
	Dive boat company Number of days	MabibiExplorer7Liveaboardect entries	2		
	Dive boat company Number of days Liveaboard or day boat Award 2 marks for 6 corre	Mabibi Explorer 7 Liveaboard ect entries 5 correct entries	2		
	Dive boat company Number of days Liveaboard or day boat Award 2 marks for 6 corr Award 1 mark for 3, 4 or Award no marks for 0, 1 o	Mabibi Explorer 7 Liveaboard ect entries 5 correct entries	2		
A2c	Dive boat company Number of days Liveaboard or day boat Award 2 marks for 6 corr Award 1 mark for 3, 4 or Award no marks for 0, 1 o	Mabibi Explorer 7 Liveaboard ect entries 5 correct entries or 2 correct entries hows incorrect data, award from the table	2		

A2d	Query des	ign:					
	Holiday ID Destinations	Region Destinations	Country Destinations	Dive boat company Destinations	Number of days Destinations	Liveaboard or day bo; Destinations	
	Descending			Like "*Blue Water*"	=7	"liveaboard"	
	AwaAwa	rd 2 marks rd 1 mark fo rd no mark:	own in desig for all 3 corre or 2 correct o s for 0 or 1 co	ect criteria			2
		ay ID 👻	Region	- Country	/ -		
	MD3		i Atoll	Maldives			
	EG2		ırghada	Egypt			
	orde 4. field	er (1) ls displayed	in the correc	Holiday ID, Reg ct order - Holid scending order	lay ID, Regio	untry – in any on and Country (1)	3
A2e	Results of	query:			<u>`</u>		
	Client ID	 Conta 	act email	 Client name 	e 🔹		8
	SH107	shintyn@1	fortran.net	Natalie Shint	y .		
	PAS09	pascalw@	-	Wendy Pasca	l i		
	JON25	jonesb@v	-	Brien Jones			
	BRA25	bradleyl@	chat.com	Laura Bradley	,		
	Mec 2. inclu 3. disp 4. shov (1) 5. not 6. be in 7. inclu 8. use	e a suitable lical Form ne ude the logo lay only the w only CLIEI have any tru have any tru n the correc ude field hea correct spel	ot completed - positioned correct 4 re NT ID, CONT, uncation (1) t order (desc adings forma ling and initi	l top left of the cords (1)	e report (1) d CLIENT NA of CLIENT IE nd italics (1) n of report	ME - in that order)) (1) title (1)	
A2fi			he term prim				
		-		tifies each rec	ord in a tab	le	1
A2fii	A primary k	key in anoth		gn key			1
		ept 'seconda					
A2fiii	Identify the	relationship	between the	DESTINATIONS	table and th	e CLIENTS table	

A2fiv	Explain one adv	vantage of using	g a relation	al database ra	ather than a single table.	
	To avoid repeated data / data redundancy (1) which can make a file too large /				can make a file too large /	2
	save on space	/ avoids mistal	kes / chang	ges only need	to be made once (1)	
					Total for Task A2	24
A3ai	Marks in bold,	italics can only	v be awarde	ed from the ⊢	ITML	13
	The HTML cod					15
	•			•	3F) – on any page (1)	
		-	-	-	Blue (#191970) (1)	
	•	ny name 'Celtic			h1> (1)	
		le - bold , it				
		evant images o		1 0		
		images on at le		-		
	-	of similar size				
	_	-	ligned (left	, right or cent	tre aligned) on at least one	
	page (1)		_	_		
	-	ge link (include		ect protocol,	e.g.	
	-	vww.csscuba.n				
		any section of		-		
		ddress and tele	-		444675) (1)	
		nk: <u>mailto:sim</u>				
			tent with th	ne design stru	ucture (1) – refer to QP	
A3aii	Webpage inclu	-	(4)			
		ge title – Course				4
		cludes 5 colum	. ,			
		cludes 6 rows (. ,			
	4. correct	headings and	values (T)			
	Course	No of classroom Sessions	No of pool sessions	No of dives	Depth (m)	
	Open Water (OW)	2	2	4	18	
	Advanced OW Wreck Diving	2 1	0 0	5 4	30	
	Deep Diving	1	0	4	40	
	Dry Suit	1	1	2	-	
	Do not penalise for incorrect spelling or case					
	Only award marks 2 and 3 if it is clearly a table					
A3aiii		onal link from I	Home page	to Courses p	page / Courses page to	4
	Home page					1
A3b	HTML changes					2
		our for Introdu	-	– black (#000	0000) (1)	2
	2. page tit	le – underline ·	<u>(1)</u>			
	Award mark po	oint 2 if only vis	sible from k	prowser view		
A3c	State and justify			-		
	Candidates nee	ed to state an i	improveme	nt they woul	d make (1) with a suitable	2
	justification pro	oduced (1)				

Total mark for Task A3	22
make it more eye catching'/easier to read	
Do not accept generic improvements such as 'I would change the colours to	
accessibility/to create a suitable contrast (1)	
I would use ALT text/change the background to white (1) to improve	
OR	
access extra related content (1)	
For example, I would add links to social networking site (1) so that the user can	

B1ai	Automatic time centred in footer	1
B1aii	Merge and centre row 1 (A1:K1)	1
B1aiii	Merged cell has dark shading	1
B1aiv	Merged cell - font size - 22, font colour – white Award size mark if the text in the merged cell is larger than the rest of the text	1
B1bi	 Functions VLOOKUP 1. Use of correct function =VLOOKUP() or =LOOKUP() for either Cost or Discount (1) 2. Use of correct lookup value (B3) for either Cost or Discount (1) 3. Use of correct table array (Details!A\$2:C\$7) / lookup vector (Details!A\$2:A\$7) for either Cost or Discount (1) 4. Use of both correct column index numbers (2 and 3) OR use of both correct result vectors (Details!B\$2:B\$7 and Details!C\$2:C\$7) (1) Examples: Cost =VLOOKUP(B3,Details!A\$2:C\$7,2,0) Discount =VLOOKUP(B3,Details!A\$2:C\$7,3,0) Cost =LOOKUP(B3,Details!A\$2:A\$7,Details!B\$2:B\$7) Discount =LOOKUP(B3,Details!A\$2:A\$7,Details!C\$2:C\$7) Accept without use of absolute referencing Allow named ranges and allow absence of final argument in VLOOKUP (,0) Allow cell reference A2:C7 as named range 'Courses' 	4
	5. Courses referenced as C: =COUNITIF(B3:B16,"C")	1
B1bii	Cell E3 for Cost of course with discount =C3-(C3*D3)	1
	H3 – OW venue fee =Details!D\$10*F3 Accept without use of absolute referencing	1
	I3 – Tank fee =Details!C\$12*G3 Accept without use of absolute referencing	1
	J3 – Total cost =E3+H3+I3	1

B1biii	Formula view Replicate functions and/or formulae for all other courses for any ONE column	1
		I
B1biv	IF statement to display Free kit bag for all courses with a Total Cost of more	
	than £400	
	=IF(J3>400,	1
	"Free kit bag","")	1
	Allow	
	=IF(J3<=400,"","Free kit bag")	
	Do not accept anything other than ""	
B1bv	=MAX(G3:G16)	1
	=MIN(G3:G16)	1
B1c	Data view	
	1. Currency showing £ with 2dp (only columns C, E, H, I, J) (1)	4
	2. Headings wrapped to use space efficiently (1)	
	3. All data visible – cell contents, column headings (1)	
	4. Gridlines/borders and footer displayed when printed (1)	
	Award marks on the filter printout	
	Total marks for Task B1	22
B2	Filtered to show those courses where a free kit bag is offered	
	Diving Courses	1
	Diving Courses Open Water C £400.00 10% £360.00 2 4 36 £20.00 £416.00 Free kit bag	1
	Dive Master F £650.00 15% £552.50 20 40 360 £200.00 £1,112.50 Free kit bag	
	Assistant Instructor C £400.00 10% £360.00 2 2 36 £10.00 £406.00 Free kit bag OW Scuba Instructor D £500.00 10% £450.00 2 4 36 £20.00 £506.00 Free kit bag	
	Master Scuba Diver Trainer D £500.00 10% £450.00 0 0 60.00 £450.00 Free kit bag Master Instructor E £600.00 15% £510.00 2 2 36 £10.00 £556.00 Free kit bag	
	Total for Task B2	1

ВЗа	Suitable chart to display: 1. Cost references A to F with correct values (1) 2. Title (e.g. Reference to discount) (1)	3
	3. Appropriate X and Y labels (1)	
	Award marking point 2 if a pie chart has been included	
	Discount Offered 16% 14% 12% 10% 6% <th></th>	
B3b	Display course title, total cost and notes (A, J, K only) Award this mark form the filter view if this printout is not included Diving Courses Course title Total cost Notes Open Water £416.00 Free kit bag Advanced Open Water £346.00 Peak Performance Buoyancy £228.00 Dry suit £228.00 Deep Diving £336.00 Wreck £341.00 First Aid £218.00 Rescue £359.00 Dive Master £1,112.50 Free kit bag Assisten Instructor £506.00 Free kit bag Master Scuba Diver Trainer £450.00 Free kit bag Staff Instructor £556.00 Free kit bag	1`
B3ci	 Explain one advantage of using named ranges in a spreadsheet. An explanation such as: The range details are stored / more human readable (1) so you do not need to remember the range address (1) OR Absolute referencing is not necessary when replicating (1) because named ranges remain constant (1) 	2
B3cii	 Explain one advantage of using lookup tables in a spreadsheet. An explanation such as: Tables of values don't need to be repeated on the spreadsheet (1) so makes the content more manageable / efficient (1) OR Values only need editing at a single point (1) which reduces errors / keeps data consistent 	2
	Total for Task B3	8

B4a	Include a series of 4 slides:	
D4a	1. Follow house style (logo top left, bold and italic headings) on all slides (1)	10
	 Background – any pale colour other than white – on all slides (1) 	10
	3. Any one slide includes suitable text (1)	
	4. Any one slide includes at least one suitable image (1)	
	5. Slide 1 includes a timed (30 seconds) and automatic transition between	
	any slides (1)	
	6. Slide 2 includes staff roles and names (1)	
	7. Slide 2 includes an animation on any staff name (1)	
	Mark points 8, 9 and 10:	
	Award one mark for each feature up to a maximum of 3 marks for fitness for	
	purpose, e.g:	
	 images not distorted/truncated and do not obscure text 	
	bullets rather than paragraphs	
	appropriate font size	
	hierarchy of information (slide headings, subheadings)	
	use of contrast	
	 appropriate layout (placement of images and text) 	
B4b	4 slides on one A4 sheet (handouts copy)	1
B4ci	Hyperlink:	
	1. included on final slide that links to anywhere (1)	3
	2. uses appropriate text (e.g Spreadsheet/Task B1) / image (1)	
	3. links to TASK B1 spreadsheet (1)	
B4cii	Action button on the final slide (1)	2
	to Slide 1 (1)	
B4ciii	Explain one benefit to Simon of using a master slide for his presentation.	
	A consistent look to all slides (1) so the company portrays a professional look	2
	(1)	
	OR	
	Quicker to make changes to slides (1) as only the master slide needs to be	
	changed / not all slides need to be changed (1)	
	OR Quicker to add new clide (1) as all basis formatting has been performed (1)	
	Quicker to add new slide (1) as all basic formatting has been performed (1)	
B4civ	State one reason why it is important to change the default filenames when saving	1
	files.	1
	 Any one from: to make filenames relevant to the content 	
	 to make filenames relevant to the content default / blank files are not filled with content 	
	supports version controlhelps user find files	
	Total marks for Task B4	19

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