

Mark Scheme (Results)

June 2014

Pearson Edexcel International GCSE in ICT (4IT0) Paper 02



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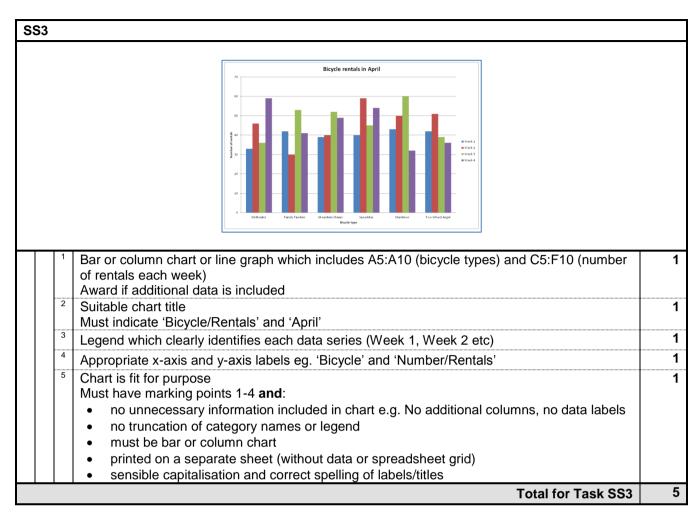
General Marking Guidance

- 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.

Activity 1: Using Spreadsheet Software (SS)

		A	В	C	D	E	F	
			Inco	me from b	icycle rent	als in April		
		2				(D.) 1		
		Bicycle Type	Rental Charge	Week 1	Week 2	of Rentals Week 3	Week 4	
		Dirtbuster	£8.00	33	46	36	59	
		Family Tandem	£15.00	42	30	53	41	
		Mountain Chaser	£11.00	39	40	52	49	
	4	Speedster	£16.00	40	59	45	54	
	1	Stardriver	£17.00	43	50	60	32	
		0 Two Wheel Angel	£8.00	42	51	39	36	
	1							
	1	2 Total Income						
A5:A10 sorted in a	phabetic	al order –	Dirtbust	er, Fa	amily	Tand	lem	. Two Wheel Angel

		A	G	н		
			bicycle rentals in A			
		2				
		3				
		4 Bicycle Type	Total	Income		
			SUM(C5:F5)	=B5*G5		
			SUM(C6:F6)	=B6*G6		
			SUM(C7:F7) SUM(C8:F8)	=B7*G7 =B8*G8		
			SUM(C0:F0)	=B9*G9		
			SUM(C10:F10)	=B10*G10		
		11	0011(010.110)	-510 010		
		12 Total Income		=SUM(H5:H10)		
(ii)	2	=SUM(C5:F5) entered in G5 (efficient formula =B5*G5 or =G5*B5 or =PRODUCT(B5,G5) e Allow inefficient formula using cell references	ntered in		ect result eg =SUM(B5*G5)	
(iii)	1	Formulae in G5 and H5 replicated to cells G6	5:H10			
(iv)	1	Suitable column labels entered in cells G4 an (Can be awarded from data view)				
(v)	1	=H5+H6+H7+H8+H9+H10 or =SUM(H5:H10) A13 OR) or =SUN	И(H5:H11) er	ntered in cell B12 or H12 or	
		=SUM(H5:H10) in other cell				
	2					



SS	64		Award marks in (a) only from formula view	
			14 Anticipation Anticipation Anticipation 15 Bicycle Type Rental Charge Number Required Cod 17 Dirbuster 8 0 =B17°C17 18 Family Tandma 15 0 =B18°C18 19 Mourfain Charge 11 0 =B19°C19 20 Speedster 16 0 =B20°C20 21 Stardriver 17 0 =B21°C21 22 Two Wheel Angel 8 0 =B22°C22 23 Total Cost =SUM(D17.D22) = 24 Discount =F(C23-300.D23°F27.0) = 25 Invoice Total =D23-D24	
(a)	(i)	1	=B17*C17 or =PRODUCT(B17,C17) in cell D17 Do not award for =SUM(B17*C17) or =PRODUCT(B17*C17)	1
	(ii)	1	Formula in D17 replicated to cells D18:D22 – allow follow through	1
	(iii)	1	=SUM(D17:D22) entered in cell D23	1
-	(iv)	1 2 3	Award 1 mark for comparison of D23 with 300 in cell D24 =IF(D23>=300 or =IF(D23<300 or =IF(D23>300 or =IF(D23<=300 or =IF(D23=300 Award 1 mark for D23*F27 in appropriate location in IF function in cell D24 eg =IF(D23>=300,D23*F27 or =IF(D23<300, ,D23*F27) or =IF(D23>300,D23*F27 or =IF(D23<=300, ,D23*F27) Award 1 mark for completely correct formula	3
-	()()	1	=IF(D23>=300,D23*F27,0) or =IF(D23<300, 0,D23*F27) =D23-D24 in cell D25. Do not award for =SUM(D23-D24)	<u> </u>

Ma	arks	s fo	PHIMI Cycler Lid 13 Bandwir dros Cutewn With Bandwir dros C	
(b)	(i)		Values in cells B17:B22 and D17:D25 formatted to show currency symbol and 2 decimal	1
	(ii)	1 2	 places Additional formatting feature which enhances layout. One mark each up to a maximum of two for any of: cells A1:A4 formatted suitably for heading eg. Any one of enlarged font for company name, merging of cells highlighting of 'Invoice' and/or 'Group Details' consistent suitable borders/shading for cells A16:D22 and C23:D25 sensible use of word wrap in cells A16:D16 consistent enhanced column headings in A16:D16 and/or C23:C25 consistent borders/shading for cells A1:A4 and/or A8:B12 printed in portrait orientation (must be data view) 	2
(c)	(i)	1	Accurate data entry of:	1
		2	Mrs Francesca Gorst, Crixtren Cyclers, 3 Meadow Lane, Crixtren, Yorkshire, BF5 1MM Accurate data entry of number of bikes 7,4,6,4,5,4	1
	(ii)	1	Invoice printed in data view without discount label (in column E) and value on one A4 portrait sheet Do not accept screen shot	1
(d)		1 2	 One mark each for two different explanations of how formatting changes made to the worksheet make it well-presented or easier to understand eg enhanced company name to make it stand out borders/shading to make it easier to read across the row enhanced column headings make it easier to identify labels word wrapping enables narrower columns when long labels used merging of cells for title improve the look so title is centred across sheet Allow other sensible responses of identification and reason 	2
			Total for Task SS4	15

Total for Activity 1: 29 marks

Activity 2: Using Web Authoring Software (WA)

WA	\1			
(a)		1	Some cropping attempted – image remains rectangular without distortion	1
		2	Some cropping on all sides – all of the bicycle and cyclist are visible	1
		3	Image cropped on all sides – very close to cyclist and bicycle	1
			PMMM Cycles Ltd 01632 960123 Image: Cycles Additional and the additional and the additional additin additionadditionaddite additional additional additional addite	
(b)	(i)	1	Correct company name and telephone number present PMMM Cycles (Ltd), 01632 960123	1
		2	Logo inserted	1
		3	Link to home page visible – award if evidence of hyperlink present (e.g. underline or icon)	1
		4	Page content selected from INFORMATION. Do not award if 'PAGE CONTENT' is present	1
_		5 1	SILVERSPRITE or cropped image of SILVERSPRITE inserted	1
		2	Full page visible in screenshot	1
		3	Layout is consistent with design – information and images as indicated on design Colour scheme applied as on design – dark (blue) text on pale (blue) background	1
		4	Suitability of fonts, sizes and styles for web page	1
		5	Text showing no unnecessary hyphenation and images suitably sized without distortion	1
		1 2	One mark each for two different explanations of how formatting features have been used to make the webpage fit for purpose Eg centre alignment of text and images in the page content to give more attractive appearance, font enhancements to make the sub-headings ("bicycle type", "description") stand out	2
		1	One suitable change identified which would enhance page for visually impaired user eg option to change colour scheme, add text labels to image for screen reader, option to increase font size	1
		2	Explanation of how the change would assist visually impaired user – eg make it easier to read, aid screen reader to describe content of images	1
			Total for Task WA1	17

Total for Activity 2: 17 marks

Activity 3: Using Database Software (DB)

DB	1	Marking points (a) (i) 2 to 6 can be awarded from design view	
		ID 17LR ID 17LR ITTLE Dr FIRST NAME Rose LAST NAME Lockyer ADDRESS 1 62 Moss Road ADDRESS 2 Filxbridge POSTCODE BE3 BER MOBILE NO 07700 900597 GENDER F Record: H < 1 of 25 > H J M R Robert Search	
(a)	(i) 1	Screenshot shows data entry form – data entry view	1
	2	Appropriate title on form must include 'Contact' 'customer' or similar but not just 'Contact'	1
	3	Correct 9 fields only for form	1
	4	At least one field label customised appropriately from FIRSTN, LASTN, ADDR1, ADDR2, POSTC, MOBNO	1
	5	Use of a drop down list for at least one of TITLE or GENDER	1
	6	One appropriate additional enhancement from:	1
		Customisation of all of FIRSTN, LASTN, ADDR1, ADDR2, POSTC, MOBNO	
		 Additional navigation buttons Customisation of input box length for any field 	
		 On-screen help text 	
		Drop down list for both TITLE and GENDER	
1	(ii) 1	Allow one mark for identification of mobile phone number as either	1
		not being used in calculations	
(iii) 1	starting with a zero/often contains spaces Allow one mark for either	1
Ì	<i>,</i>	Imited range of values	
		 makes sure that data entry is more accurate/consistent 	
		Bir H TULK FIRSTM LASTM ADDRL FORTL GRADEL GRADEL	
(b)	1	Table sorted in ascending order of LASTN – Arufuron to Violett	1
	2	25 Records and 9 fields printed without truncation – may be on more than one page	1
		Total for Task DB1	10

1 Correct 14 records. Minimum FIRSTN, LASTN fields 2 Correct 14 records. Minimum FIRSTN, LASTN fields 3 TITLE, FIRSTN, LASTN, ADDR1, POSTC, MOBNO present in printout 3 TITLE, FIRSTN, LASTN, ADDR1, POSTC, MOBNO present in printout 3 TITLE, FIRSTN, LASTN, ADDR1, POSTC, MOBNO present in printout 4 Elevent in the intermed and the field intermed and the intermed and the intermed and the field intermed and the field intermed and the intermed and
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Ignore single extra field BICYCLENAME BICYCLETYPE PURCHASEDATE COST Top Drawer Family Tandem 08/07/2012 £356.00 Eagle's Wings Family Tandem 05/01/2012 £329.00 Mother's Comforter Family Tandem 26/03/2012 £336.00 Childsafe Family Tandem 29/07/2012 £360.00 * Eagle's Mings Correct 4 records. Minimum of BICYCLENAME field
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Correct 4 records. Minimum of BICYCLENAME field
² Correct 4 records. Minimum of BICYCLENAME field
Correct 4 records. Minimum of BICYCLENAME field
Award 1 mark for
Correct 7 records (TYPE=Family Tandem) OR correct 6 records (All dates in 2012)
Correct 9 records (TYPE=Family Tandem OR dates in 2012)
³ Correct fields BICYCLENAME , BICYCLETYPE , PURCHASEDATE and COST only

DB3							
BICYCLE V ID BICYCLENAME BICYCLENAME BICYCLENAME VWRELSIZE VURCHASEDATE COST RENTALCHARGE	CONTACT V ID TITLE FIRSTN LASTN ADDR1 ADDR2 POSTC MOBNO GENDER						
(a) 1 Link between ID in BICYCLE to BICYCLE_ID in RENT	AL 1						
² Link between ID in CONTACT and CONTACT_ID in R	ENTAL 1						
3 Both links correctly shown as 1 to many (∞)	1						
BICYCLE	ONTACT						
V ID BICYCLENAME RENTAL_ID 1 RENTAL_DATE	* V ID TITLE						
BICYCLETYPE CONTACT_ID	IRSTN LASTN						
PURCHASEDATE COST RENTALCHARGE	ADDR1 ADDR2 POSTC						
	MOBNO GENDER						
◀ [m]							
Field: RENTAL DATE FIRSTN LASTN MOBNO BICYCLENAME RENTALCHARGE							
Table: RENTAL CONTACT CONTACT B	ICYCLE BICYCLE						
Criteria: #05/05/2014# or: #12/05/2014#							
#19/05/2014# #26/05/2014#							
^(b) Screen shot of query design showing at least 1 table, 1	field and 1 criteria row 1						
² One field from each table present (allow if evidenced in	printout of results of search) 1						
³ RENTAL_DATE, FIRSTN, LASTN, MOBNO, BICYCLI							
to be printed (allow if evidenced in printout of results of							
Award two marks for (must be design view): Criteria in RENTAL_DATE field is 5/5/2014 OF	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2						
26/5/2014							
Criteria might be on separate rows							
Accept any date format Award 1 mark for: (must be design view):							
At least two of the dates 5/5, 12/5, 19/5, 26/5 in	criteria of RENTAL_DATE field						
(Criteria may be incorrect)	_						
	Total for Task DB3 8						

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	Must be a datab		lei ulij	indino												
Rentals of bicycles on Mondays in May																
		RENTAL DATE	LAST NAME	MOBILE NO	BICYCLE NAME	RENTAL CHARGE										
		05/05/2014	Khan	07700 900382	Spearhead	£8.00										
		12/05/2014	Murray	07700 900156	Perfect Flight	£8.00										
		12/05/2014	Christopher	07700 900409	Top Drawer	£15.00										
		19/05/2014	Mahmud	07700 900629	Rough Rider	£8.00										
		19/05/2014	Peters	07700 900133	Angelfire	£8.00										
		19/05/2014	Jacobs	07700 900388	Top Drawer	£15.00										
		26/05/2014	Lockyer	07700 900597	Snake Charmer	£8.00										
26/05/2014 Lockyer 07700 900597 Mudslinger £8.00 20 May 2014 F <t< th=""></t<>																
									1	Suitable title mus	st include "re	ntal""	Monday" :	and "Mav"		
	Suitable capitalis		, ,	monday (
2																
RENTALCHARGE in correct order 3 All 5 field headings suitably customised 4 Correct 8 records only																
								4			rom oo	oh tohlo				
								4	Must have at least one field from each table							
4	(RENTAL_DATE, LASTN/MOBNO & BICYCLENAME/RENTALCHARGE)															
			n one si	de of A4 v	vith one of: nai	me, candidate details and Task										
5	Suitable, consist															

Total for Activity 3: 29 marks

Activity 4: Using Presentation Software (PS)

PS1		Must be master slide for all except first mark point	
		Click to edit Master title style • Click to edit Master text styles - Second level • Thit level • Fith level * Fith level • Fith level	
(a)	(i) 1	Logo added to bottom right of Master slide OR shown consistently on all slides	1
((ii) 1	Font changed from Brushscript to Arial or similar on Master slide	1
(i	iii) 1	Name and candidate number entered in the middle section of the footer on Master slide	1
	2	Date place holder deleted from footer of Master slide	1
	lv 1	Screen shot of complete Master slide pasted into word processed document	1
(b)	(i) 1	 9. We deschard with virging and the function of t	1
. ,	2	Suitable title on slides 2 to 4: eg route, requirements and contact Suitable image on each of slides 2 to 4. Do not accept Paris or India or animal. Accept	1
		repeated image	
	3	Slide 2 names the 6 towns – Leeds, Harrogate, York, Malton, Scarborough and Whitby Slide 3 includes reference to age, health/fitness and clothing Slide 4 includes £300 and either phone number or email	1
	4	Suitable editing of text on slides 2-4. eg bulleted text or not all text present from data file	1
	5	Images on slides 2-4 suitable size without distortion and no overlap	1
	6	Titles, text and images located as indicated on design for slides 2 to 4 Ignore the logo	1
((ii) 1	Slides printed two to a page – not screen shots	1
(c)	(i) 1	 Award one mark for identifying a suitable feature Eg. Text formatted as phrases rather than paragraphs Use of text enhancements – bold, italics Use of bullets/numbering Colour scheme 	1
	2	Sensible explanation of identified feature	1
((ii) 1	Award one mark for identifying a suitable change	1
	2	Award one mark for explanation of how change makes it more appealing to the target audience	1
		Total for Task PS1	16

Total for Activity 4: 16 marks

Activity 5: Using DTP/ Word Processing Software (WP)

WP1	
Report for the June Management Board Meeting	
Rental Income I have analysed the number of rentals during April. The graph shows that we are renting out at least 30 bicycles of each type each week. Our best performing bicycle type is the Speedster which had nearly content and meeting Week 1 Week 1 Week 1 Week 2 Week 3 Week 4 Bicycle rentals in April Week 1 Week 1 Week 1 Week 2 Week 3 Week 4 Week 4 Week 2 Week 3 Week 4 Week 4	
New bicycle I have added a new bicycle to our ranges ince our last meeting. I have managed to obtain A Wontakin Chaser which have added apage to our website which gives details of the bicycle. Here is a copy of the page I produced.	
Replacing older bicycles I have previously mentioned my I have previously mentioned my consernational the age of some of our bicycles, especiality in the form this object estimation ange. You will a from this object estimation ange. You will a from this object estimation ange. You will a from this object estimation ange. You will be for the beginning of 2013.1 this that we need to consider replacing these since they are becoming less profitable for the company.	
Bicycle tour of Yorkshire I have started to organise a bicycle tour of Yorkshire I have obtained favourable rates for meals and accommodation and have managedto keep the costs downs of halt the charget o customers will be 500. This will still make a small profit for the company. I have been asked by Orixter of Cyclers to goto s peak with the mabut the tour. Here is a copy of on er of the siles I will be using in the taik. The silde gives details of the route we will takk from Crixtrento Whitty.	
I ext from JUNE. Must have title and 4 subheadings and paragraphs with labels removed	1
Logo inserted in appropriate location	1
At least 3 of chart, web page, database DB2b and slide inserted in document	-
All 4 items (chart, web page, database DB2b and slide) inserted in document	1
At least 2 of chart, web page, database DB2b and side inserted with appropriate paragraph	
All 4 items (chait, web page, database DB2b and side) inserted with appropriate paragraph	1
(ii) ¹ All inserts are appropriate size with no distortion, truncation or overlap of text Inserts are within single paragraphs	1
Inserts have unnecessary window elements cropped	
² Consistent font, size and style used for each of	1
sub-headings	
body text Title and sub baselings stand out from bady text	
Title and sub-headings stand out from body text 3 All items present and fit on one side A4 with no large areas of white space	1
Items laid out consistently and well-balanced	•
Total for Task WP1	9

Total for Activity 5: 9 marks

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