## MARK SCHEME for the March 2016 series

## 9713 APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/04 Paper 4 (Practical Test B), maximum raw mark 90

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Page 2	Mark Scheme	Syllabus	Paper
	Cambridge International AS/A Level – March 2016	9713	04

Task				Mark
1 (a)		Enter formulae for	Correct income formula inserted	1
		calculating income and profit	Correct profit formula inserted	1
(b)		Format Costs, Prices and Sales	Cost, selling price, income & profit formatted as currency $(\mathbf{f})$	1
		Sales	Sales formatted as integer	1
(c)			Correct values inserted for Annual costs	1
	Model costs, selling prices and profit	Model break-even selling price with advertising set at £5k	Evidence of efficient method used (e.g. Goal Seek)	1
			Correct settings and entries	1
			Correct results for selling price displayed	1
(d)		Model break-even selling	Advertising set to £8000	1
		price with advertising set at £8k	Correct results for selling price displayed	1
(e)		Model manufacturing	Correct entry for selling price	1
		costs with selling price set at £2	Correct result for manufacturing costs displayed	1
		•	·	[12]

Page 3	Mark Scheme	Syllabus	Paper
	Cambridge International AS/A Level – March 2016	9713	04

2			GivenName (space) Surname mergefields inserted	1
		la contra con Colde con d	Job_title mergefield inserted on a newline	1
		Insert mergefields and text as specified	Date inserted as a field and in correct format ( <b>DD:MM:YY)</b>	1
			The Earbud Project inserted as memo subject	1
			Evidence of link to Cost per earbud value	1
		Incort anosified data	Correct range used (R10:C4)	1
		Insert specified data linked to spreadsheet	Evidence of link to annual costs data	1
	Present the		Correct <b>named</b> range used (Annual_Costs)	1
	results	to Use conditional field to insert specified text and	Correct conditional field inserted	1
	of financial modelling to		Correct criteria applied	1
	specified		Correct conditional text (1) inserted	1
	recipients in a mail		Correct conditional text (2) inserted	1
	merge		Evidence of link to calculations data seen	1
	memo		Correct named range used (Calculations)	1
		Non-manual selection of recipients	Evidence of efficient selection of recipients provided	1
			Memo to Ellis printed	1
			Memo to Kieran printed	1
		Letters to specified recipients merged	Memo to Samantha printed	1
			Memo to Mia printed	1
			Memo to Noah printed	1
			ALL and Only these memos printed	1
		Merged letters proofed for accuracy	Correct job titles for recipients seen	1
		accuracy	Correct inclusions for memos seen	1
				[23]

Page 4	Mark Scheme	Syllabus	Paper
	Cambridge International AS/A Level – March 2016	9713	04

3	(a)			Evidence of validation rule used provided	1
			Set validation rule for	Evidence of correct limiting values provided	1
			advertising cost entries	Appropriate input message seen	1
				Appropriate error message seen	1
				Correct selling price formula inserted	1
				Valid replication of selling price formula	1
		Extend the	Modify spreadsheet as	Correct sales formula with correct absolute/relative references seen	1
			nodel to etermine	Valid replication of sales formula	1
		model to determine		Correct income formula with correct absolute/relative references seen	1
		maximum possible		Valid replication of income formula	1
				Correct profit formula with correct absolute/relative references seen	1
				Valid replication of profit formula	1
				Correct manufacturing cost (£1.25) inserted	1
				Table displayed as shown in the example	1
			Display values for completed financial model	Selling prices displayed as shown in the example	1
				Correct values shown in 1st line of the table	1
				Correct values shown after replication	1
					[17]

(b)		Appropriate chart selected	Line graph chosen for both series	1
		Display profit data series	Correct profit data used	1
	Display		Selling prices used as horizontal axis	1
	the results	Display sales data series	Correct sales data used	1
	of the extended		Secondary axis displayed	1
	model in	model in a chart	Valid chart title inserted	1
	a chart		Valid horizontal axis title inserted	1
		Add contextual information to chart	Valid vertical axis title inserted	1
			Valid secondary axis title inserted	1
			Legend or equivalent displayed	1
				[10]

Page 5	Mark Scheme	Syllabus	Paper
	Cambridge International AS/A Level – March 2016	9713	04

4			Master slide items inserted as specified	1
		Set up presentation as specified	Full slides printed	1
		speemed	Correct titles and text inserted	1
	Display the		Table displayed on slide 2	1
			Correct advertising value shown	1
	modelling	ults in a contextual information	Correct maximum selling price seen	1
	presentation		Valid maximum selling price indicated	1
			Corresponding maximum profit indicated	1
			Appropriate text inserted in "Callouts"	1
			Chart displayed on slide 3	1
			Correct vertical line inserted	1
				[11]

5	(a)		Evidence of valid method for import provided	1	
		Create a relational database	Provide evidence of import specification and data structures	Correct data structure for Headphone Data table shown	1
		datababb		Correct data structure for HeadphonesTested table shown	1
				·	[3]

(b)			Correct report title inserted	1
	Select and	Create a report on	Required labels and data all visible and displayed on a single page	1
	display	Create a report on selected data displayed	Data grouped by "Open/Closed" field	1
	specified	and formatted as	Data grouped by "Over/On-ear" field	1
	data	specified	Correct data displayed in ascending order	1
			Candidate details displayed in <b>page</b> (not report) footer	1
		·		[6]

Page 6	Mark Scheme	Syllabus	Paper
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(c)	Select data to be included in a memo merged to specified recipients	Insert mergefields data and text as specified	Correct mergefields and date field inserted	1
			Correct fields and data displayed in a table	1
		Use a conditional field to insert correct text	Conditional field inserted with correct criteria	1
			Correct conditional text (1) inserted	1
			Correct conditional text (2) inserted	1
		Provide evidence of non-manual selection of recipients	Evidence of efficient selection method for Studio department	1
			Evidence of efficient selection method for Head & Technicians only	1
		Merged memos proofed for accuracy	4 memos to correct recipients printed	1
				[8]

Total marks [90]