

#### APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/04 October/November 2017

Paper 4 Practical Test B MARK SCHEME Maximum Mark: 90

Published

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[Turn over

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			Mark
		Sales compared to Sales_Target	1
		Sales * Com_1, for Sales <=Sales_Target condition	1
		Sales_Target*Com_1, for Sales > Sales_Target condition	1
Task 1a		Calculation of Sales above Sales_Target (Sales - Sales_Target)	1
	Use of named ranges for	<b>*Com_2</b> for commission on sales above the Sales_Target	1
	Commission	Shown as a full screenshot – Clear/Efficient evidence	1
		Replication of formula shown	1
		Values for (All & Only) Porto branch used	1
		Column headings shown and all data and label fully visible	1
		Correct Commission values shown	1
		Total Task 1a	10

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			Mark
		IF(AND()) used for efficient application of conditions	1
		Appraisal not = "D" (I2<>"D" ) used for efficient solution	1
		Accounts Levels (Acc_Ln) named ranges used to determine bonus level	1
		Bonus Levels (Bonus_Ln) named ranges used	1
Task 1b		Acc_Ln and Bonus_Ln ranges matched	1
		Sales_Target named range used for condition	1
	Use of named	IF() syntax correct - including inner default values	1
	ranges for Bonus	,0) final default value used	1
	calculations	Valid replication of formula shown	1
		Amsterdam branch used for screenshots	1
		ABC appraisal categories correct	1
		Appraisal "D" category - correct Bonus values	1
		<10 Accounts - correct Bonus values	1
		Sales < Sales target - correct Bonus Values	1
		Column labels and all data fully visible	1
	4		

Total Task 1b 15

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			Mark
		Correct Amsterdam Branch Sales subtotal shown	1
		Correct Amsterdam Branch Commission subtotal shown	1
		Correct Amsterdam Branch Bonus subtotal shown	1
	O de substituer of	All Branches Sales Grand total shown	1
Task 1c	Calculation of Grand Totals	Correct all Branches Sales Grand total shown	1
	and Subtotals for each	All 3 Grand totals shown (Sales, Commission, Bonus)	1
	Branch	P/O Single page wide, 2 pages tall with subtotals under each branch	1
		Column labels shown on both pages	1
		Branches not split and all data fully visible	1
	-	All currency in € and 0dp	1
	1	Total Task 1c	10

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			Mark
Task 2a		Sales_Target changed to €100,000	1
		Commission cells shown as percentages	1
	Simple Modelling	Amsterdam branch used for printout	1
		Correct Commission values shown	1
		Correctly formatted P/O with totals and labels	1
		Total Task 2a	5

			Mark
		Goal Seek function used to determine new Sales_Target	1
		Grand Total (L157) Set to € 3,000,000	1
		Set change to Sales_Target (\$A\$4) or evidence of method for a trial and error solution	1
		Correct result	1
Task 2b	Modelling to satisfy a criterion	Rounded to nearest €5,000	1
		Amsterdam branch used for printout	1
		Correct Commission values shown	1
		Correct Totals for Amsterdam	1
		Single page Landscape P/O	1
		Correctly formatted P/O with totals and labels fully visible	1
		Total Task 2b	10

			Mark
		Use of IF() AND() OR() for efficient solution	1
Task 3	Modelling with alternative	Appraisal <>"D", Acc_L>=10 or Sales >= Sales_Target conditions shown	1
		Screenshot of Porto branch – all formulae fully visible	1
	conditions	Screenshot of Porto branch, all data fully visible, column headings shown	1
		Correct Bonus values shown	1
		Total Task 3	5

			Mark
Task data sour 4a for a		Evidence of the data source used for the mailmerge	1
		Data source is used for the creation of the Appraisal description text	1
	Creation of a	Evidence of the method used for the creation of the Appraisal text or valid conditional mergefield in the merge document	1
	data source for a mailmerge	Efficient method used for the creation of the Appraisal text in the data source or all valid mergefields in the merge document	1
		Data source is used for Bonus percentage integer values	1
		Valid calculation of Bonus percentage values Bonus/pay or Bonus_L Categories (10,15,20) used	1
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Total Task 4a

6

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			Mark
		Branch mergefield inserted in the merge document	1
		Given_name and Family_name mergefields inserted	1
		Payroll_number mergefield inserted	1
		Spacing and layout for all 4 mergefields	1
		Given_name mergefield inserted in salutation	1
		Spacing and punctuation as required	1
		Appraisal character mergefield inserted	1
		Appraisal text mergefield inserted	1
		Spacing and dash preserved	1
		Efficient Conditional mergefield categories A/B - Appraisal <c< td=""><td>1</td></c<>	1
	Populating a merge	Conditional mergefield for Appraisal category = C	1
	document	Conditional mergefield for Appraisal category = D	1
		Correct syntax and logic for conditional mergefields	1
Task		Correct Conditional text for categories A/B	1
4b		Correct Conditional text for category C	1
		Correct Conditional text for category D	1
		Pay mergefield inserted	1
		Commission mergefield inserted	1
		Bonus integer mergefield inserted	1
		% sign inserted or mergefield switch seen	1
		Bonus amount mergefield inserted	1
		Correct 4 letters printed	1
		€ sign shown for all currency	1
		Appraisal content matches Appraisal character	1
	Performing a mail merge	Correct Pay for recipients shown	1
		All Commission shown at 0 dp	1
		All Bonuses shown as %	1
		All Bonus values shown at 0 dp	1

	Mark
Correct text and correct spelling, punctuation for all recipients – proofing	1
 Total Task 4b	29
Total Paper	90