Cambridge International A Level

Published

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Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

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CAMBRIDGE
International Examinations

			Mark
Task 1: Calculate Profits	**Profit** Values printout	Correct values for component profit displayed	1
		Printed on single page. Data and labels all visible. Alignment fit for purpose	1
	Component profit Value printout	Correct order-items component_profit values displayed	1
		Print area set as specified	1
		Printed on single page. Data and labels all visible. Alignment fit for purpose	1
	Profit per order Values printout	Correct profit per order values displayed	1
		Printed on single page. Data and labels all visible. Alignment fit for purpose	1
	All values printouts	All currency values (seen) consistent to 2 dp	1
		3 cm logo shown on all printouts. Not overlapping data	1
		Candidate details displayed in all headers	1
	Components **Profit** formulae	Correct Profit calculation (sales price–cost price)	1
		Valid replication shown	1
	Order-items **Component profit** formula printout	Efficient/Effective Lookup formula used (e.g. INDEX & MATCH/VLOOKUP)	1
		INDEX(array), VLOOKUP(lookup_value, table_array,)	1
		MATCH(lookup_value, lookup_array), VLOOKUP(..,column_index)	1
		match_type (FALSE)	1
		Lookups return value * Quantity	1
		Valid replication shown	1
	Orders **Profit per prder** formula printout	SUMIF or SUMIFS formulae used	1
		Correct Criteria	1
		Correct Criteria_range	1
		Correct Sum_range	1
		Valid replication shown	1
	All formulae printouts	All formula **printouts** – single page wide, data and labels all visible. Alignment is fit for purpose	1
			25

					Mark
Task 2: Create a relational database	Orders table	**orders table Primary Key**	order_number	Number	1
		orders table fields	order_date & date_required	2 × Date format	1
		orders table field	dispatched	Boolean	1
		orders table field	profit per order	Currency	1
	Components table	**components table Primary key**	component_number	Number	1
		components table fields	cost_price, sales_price, profit	3 × Currency	1
	order_items	**order items table field**	component profit	Currency	1
	Customers table	**customer table Primary key**	customer_number	Number	1
		customer table field	mailing list	Boolean	1
		customer table field	account	Boolean	1
	Correct import	All 4.csv files are imported **(with correct fields)**			1
		…as individual tables			1
	Relationships	customers table to orders table (one to many on *customer_number)*			1
		orders table to order_items table (one to many on *order_number*)			1
		order_items table to components table (one to many on *component_number)*			1
					15

			Mark
Task 3: Print a report of overdue orders	Days Overdue query	Query/selection method is shown	1
		The Order table *(only)* is used in the query	1
		order_number, order_date, date-required, dispatched fields *(only)* are present	1
		The dispatched field criterion is set to False/No	1
		A Days_Overdue field is added	1
		A valid Overdue formula is used (e.g. *Datediff("d", [date_required], Now()) Date()-[date_required]*)	1
		A valid Overdue criterion is set (e.g. *Days Overdue>0 or date_required<Date()*)	1
	Days Overdue report	A report is created with the correct 5 fields displayed	1
		The correct orders are displayed *(only)* The data and labels are all visible. The alignment is fit for purpose	1
		The orders are displayed with the most recent order_date first	1
		The correct values for Days_Overdue are displayed	1
		The average value for Days_Overdue is correctly calculated and displayed in the footer	1
		The average value is displayed as an integer with an **explanatory** label	1
		A suitable title is entered and the logo is displayed (top right) at the correct size	1
		The report is printed with candidate details in the report footer	1
			15

			Mark
Task 4: Print an invoice for a selected order number	Invoice query	Evidence of efficient selection method is shown	1
		The correct criterion is set on the order_number field	1
		A parameter value is added to select order_number (or use of Forms!)	1
		The parameter value has a suitable prompt or a suitable Forms label is displayed	1
	Invoice report	The report for order number 10 is printed	1
		The correct customer and order data (plus labels) are displayed (as a group)	1
		The correct component field labels are shown	1
		Only the correct 5 components are displayed and all the data is correct	1
		The layout of report is fit for purpose. The data and labels are all visible	1
		The order total is displayed below the data with a suitable label	1
		The order total is correctly calculated	1
		The order total is formatted as currency and set to 2 dp	1
		A suitable title and the order number, (shown as a field) are displayed in the header. The logo is displayed at the correct size on the right in the header	1
		The report fits on a single page wide	1
		Candidate details are displayed in the report header	1
			15

			Mark
Task 5: Mail merge letters to selected recipients with customised text	Mail merge recipients selection	The method used to select recipients is shown	1
		An efficient, non-manual method of selection is used	1
		The required fields are present	1
		The mailing_list criterion is set to 'True'	1
		The number of (different) *components* is counted	1
		The count of component criterion is set to >=4	1
	Merge document (data can be from dbase or spreadsheet)	The date is displayed as a field	1
		The customer_forename mergefield is displayed	1
		The customer_surname mergefield is displayed	1
		The forename and surname are displayed on the same line with the correct spacing	1
		The CountOf component_number/name *(or evidence of equivalent)* mergefield is displayed	1
		…with the correct spacing	1
		Evidence is seen that a single conditional mergefield is used to display the correct discount	1
		The correct conditional merge criterion is seen (account = True)	1
		…the correct conditional text options are seen	1
	Merged letters	The Logo is inserted in the top right of the header at the correct size	1
		Letters to Joy Lu, Malcolm Jones, Pascal Emilie *(only)* are printed	1
		The correct number of orders are displayed for the correct 3 recipients	1
		The correct discounts are displayed for the correct 3 recipients	1
		The letters are proofed and fit for purpose with correct punctuation	1
			20

Total	90