CAMBRIDGE
INTERNATIONAL EXAMINATIONS

Centre Number		Centre Name	
Candidate Number		Candidate Name	

The mark points indicated on the mark scheme are listed below. Indicate with a tick where each mark has been awarded.

Question 1(a)		√
Maximum 4 marks		
	Creation of two tables (database software) with:	
	- Appropriate data types	
	- Linked field	
	- Key fields for both tables (2 marks)	
	Sub-Total 1(a)	
Question 1(b)		
Maximum 5 marks	Menu screen	
	Form on screen for:	
	- Input	
	- Deletion	
	- Amendment	
	Common design for all screens	
	Each form works	
	Sub-Total 1(b)	
Question 1(c)		
Maximum 5 marks	Input screen	
	Validation routine for input data	
	Method for coping with two identical names	
	Method for coping with multiple jobs	
	Output of data	
	Selection of relevant data	
	Suitable screen design	
	Sub-Total 1(c)	
Question 1(d)		
Maximum 10 marks	Suitable presentation format	
	Importing screens	
	Annotated screens	
	Starting system	
	Hardware requirements	
	Troubleshooting guide	
	Example input screens	
	Example output screens	
	Examples of valid and invalid data types	
	On screen help	
	Shutting down the system	
	Back up routines	
	Sub-Total 1(d)	

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		√
Question 2(a)(i)		
Maximum 3 marks	Evidence of correct values for variables in trace table	
	Correct contents for array x (1, 4, 9) y (2, 3, 7)	
	Correct contents for array z (1, 2, 3, 4, 7, 9)	
	Sub-Total 2(a)(i)	
Question 2(a)(ii)	Evidence of correct values for variables in trace table	
Maximum 3 marks	Correct contents for array x (2, 4 ,6, 7) y (3, 5 ,9)	
	Correct contents for array z(2, 3, 4, 5, 6, 7 ,9)	
	Sub-Total 2(a)(ii)	
Question 2(b)		
Maximum 4 marks	**(i)** Correct part of algorithm indicated	
	(ii) A set of data to include two correct loop counters in the correct place (one for each set of data)	
	A set of data to include at least one same number in each set of data	
	(iii) Correct contents for array z	
	Sub-Total 2(b)	
Question 2(c)		
Maximum 3 marks	The two sets of ordered data:	
	- merged to produce	
	- the combined set of data	
	- with duplicate numbers both retained	
	Sub-Total 2(c)	
Question 3(a)		
Maximum 9 marks	Diagram to include:	
	At least three levels	
	Actions in sequence which will work	
	Initialise	
	Set totals to zero	
	Input data	
	Check for terminator	
	Process paper totals	
	Add 1 to the correct grade totals	
	Add 1 to the total of candidates	
	Print individual candidate result	
	Print out grade totals	
	Print out total number of candidates	
	Sub-Total 3(a)	
Question 3(b)		
Maximum 14 marks	Algorithm to include:	
	Input	
	Check for terminator	
	Check for both papers greater than 80	
	Action taken for distinction	
	Grade awarded is distinction	
	Running totals for distinction updated	
	Sum of paper 1 and paper2	
	Action if sum> 120	
	Action taken for merit	
	Grade awarded is merit	
	Running totals for merit updated	

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	Action if sum>100	
	Action taken for pass	
	Grade awarded is pass	
	Running totals for pass updated	
	Action taken for fail	
	Grade awarded is fail	
	Running total for fail updated	
	Output candidate number and grade	
	Output total grade numbers, total candidates	
	Sub-Total 3(b)	
	Total (max 60)	