
APPLIED INFORMATION & COMMUNICATION TECHNOLOGY

9713/04

Paper 4 Practical Test B

March 2017

MARK SCHEME

Maximum Mark: 90

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

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

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the March 2017 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

Task		Criteria	Mark
Task 1 Database set-up		All 4 data files imported	1
	Customer table	Customer table structure shown	1
		Customer_ID set as primary key	1
		Input mask/formatting set for Customer_ID	1
		Valid validation rule is set on Cookery_level	1
		Validation rule allows entry of only B, I or A	1
		...Validation error text suitable	1
	Courses table	Courses table structure shown	1
		Course_ID set as primary key	1
		Course_duration set to number	1
		Cost set to currency	1
		Cost formatted to € 0dp	1
		Valid validation rule set on Course_duration	1
		Validation rule allows entry of only numbers >0 and <=10	1
		...Validation error text suitable	1
	Chefs & Bookings	Chef & Bookings table structure shown	1
		Chef_ID & Booking_ID set as keys	1
	Relationships	Customer(Customer_ID) – Bookings(Customer_ID) – 1 to many	1
		Chefs(Chef_ID) – Bookings(Chef_ID) – 1 to many	1
		Courses(Course_ID) – Bookings(Course_ID) – 1 to many	1
			20
Task 2 Count of Bookings	Number of bookings search	Query design shown	1
		Only Bookings and Courses table used	1
		Only correct fields present Booking_ID, Course_name, Course_ID	1
		Valid Count method (e.g. on Booking_ID/Course_ID)	1
		Parameter query used with a suitable prompt	1
		Query results showing 6 bookings for Artisan bread (<i>2 fields only</i>)	1
			6

Task		Criteria	Mark
Task 3 Bread courses report	Bread course selection queries	Query to find bread courses shown	1
		Valid table used (e.g. Courses)	1
		+ 2nd valid table used only (e.g. Bookings)	1
		Correct fields shown (includes Course_name +)	1
		Selection criteria on Course_name seen	1
		...Selection criteria set to bread	1
		Wildcard *bread* used	1
		Valid Count method used in database	1
	Bread courses Results Bar Chart	Correct four bread courses (only) shown in bar chart	1
		Correct values for each course (6, 5, 4, 3) – allow if included	1
		Suitable chart title	1
		Suitable x axis labels and title	1
		Suitable y axis title	1
		Legend omitted	1
	Bread courses Report	Report title ' Number of bookings for each bread course '	1
		Bar chart present at top of report	1
		Correct four courses (only) displayed under chart	1
		Field labels suitable (e.g. Number of bookings)	1
Chart and correct data (2 fields only) all visible and ffp		1	
		Candidate details at bottom of report	1
			20

Task		Criteria	Mark	
Task 4 February and March course bookings	Date selection query	Query design shown	1	
		Only required tables used (e.g. Courses, Bookings, Chefs)	1	
		Correct fields present Course_ID, Course_name, Chef's_names, Date_booked, Cost	1	
		Date booked > 31/01/2017	Criteria must be seen in a query	1
		AND used		1
		date booked <= 31/03/2017		1
	February & March bookings report	Suitable report title seen	1	
		All & Only required data visible and ffp	1	
		Bookings grouped by Chef	1	
		Correct chefs seen with required format – Surname:Forename	1	
		Correct courses for each chef shown	1	
		Courses in ascending order of date	1	
		Correct subtotals of number of bookings for each chef	ft	1
		Correct total income for each chef seen	ft	1
		Correct Grand total of bookings – 29 seen	nft	1
		Suitable Labels for Totals used	1	
		Candidate details at the top of the report	1	
	17			

Task	Criteria		Mark	
Task 5 Customer discount letters	Recipients selection query	Query design shown	1	
		Only required tables used (e.g. Customers & Bookings or Courses)	1	
		Correct fields present – Customer names, Address, Level	1	
		Valid Count method used	1	
		All other required fields seen (default Group By)	1	
		Customer_ID count criterion >=4 (or skipif in doc – not filtered)	1	
	Merge document	Date shown as a field	1	
		Customer – title, forename, surname fields inserted with correct formatting and spacing	1	
		All Address mergefields inserted (one per line with correct formatting and spacing)	1	
		Salutation mergefield and comma seen	1	
		Number of courses booked mergefield inserted	1	
		...with correct formatting and spacing	1	
		Cookery level B mergefield displays beginner	case etc. penalised once only	1
		Cookery level I mergefield displays intermediate		1
		Cookery level A mergefield displays advanced		1
		beginner conditional text is ' Beginner Cake Icing '	1	
		intermediate conditional text is ' Intermediate Cake Baking '	1	
	advanced conditional text is ' Advanced Chocolate and Pastries '	1		
	Merged Letters	Correct 3 letters present – Rachel Jackson, David Khan, Maria Velasques	1	
		Date formatting as 01-Jan-17	1	
		David Khan matched to 4 courses and advanced level	1	
		Correct advanced conditional text present Adv. Choc and Pastries	1	
		Maria Velasquez matched to 4 courses and intermediate level	1	
		Correct intermediate condition text present Intermediate Cake Baking	1	
		Rachel Jackson matched to 4 courses and beginner level	1	
		Correct beginner conditional text present – Beginner Cake icing	1	
		Letters proofed and ffp	1	
			27	

Total: **90**