UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

GCE Advanced Subsidiary Level and GCE Advanced Level

MARK SCHEME for the May/June 2009 question paper

for the guidance of teachers

9713 APPLIED INFORMATION AND COMMUNICATION

9713/02   Paper 2 (Practical Test A), maximum raw mark 120

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 must be read in conjunction with the question papers and the report on the examination.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2009 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

No marks to be awarded for any printout not containing the candidate name, candidate number and Centre number

Step 3

Candidate name, Centre number and candidate number

J9HOLS : Table

Field Name	Data Type
HolRef	Text
CustRef	Number
Resort	Text
Hotel	Text
Type	Text
Out	Number
Home	Number
Cost	Currency
Paid	Currency

Table created
1 mark per field (name & type)   9 marks
Primary key correct   1 mark

J9HOME : Table

Field Name	Data Type
FlightRef	Number
From	Text
To	Text
Flight	Text
HDate	Date/Time

Table created
1 mark per field (name & type)   5 marks
Primary key correct   1 mark

J9OUT : Table

Field Name	Data Type
FlightRef	Number
From	Text
To	Text
Flight	Text
ODate	Date/Time

Table created
Correct fields & field types   1 mark
Primary key correct   1 mark

J9CUST : Table

Field Name	Data Type
CustRef	Number
Forename	Text
Surname	Text
Address	Text
Town	Text
Postcode	Text

Table created
Correct fields & field types   1 mark
Primary key correct   1 mark

Step 5

Candidate name, Centre number and candidate number
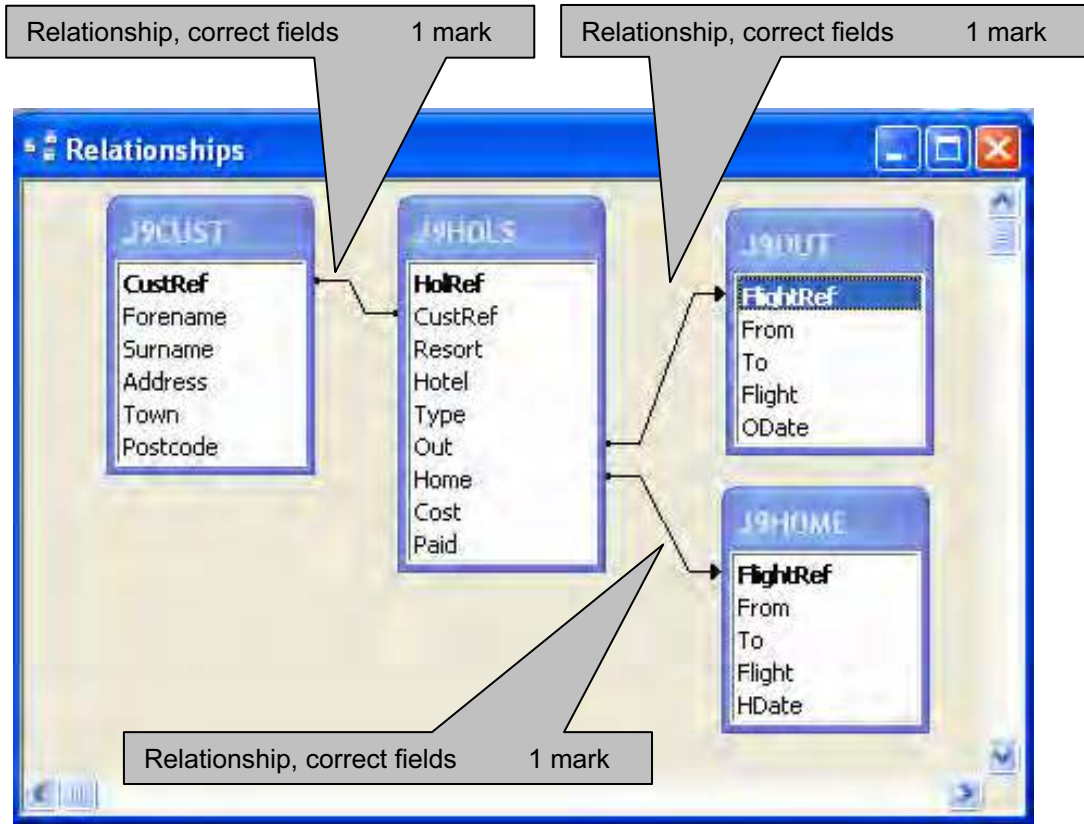
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Edit Relationships

Table/Query: J9OUT Related Table/Query: J9HOLS

FlightRef — Out

☐ Enforce Referential Integrity
☐ Cascade Update Related Fields
☐ Cascade Delete Related Records

Relationship Type: One-To-Many

OK
Cancel
Join Type..
Create New..

> Relationship, correct type   1 mark

Edit Relationships

Table/Query: J9HOME Related Table/Query: J9HOLS

FlightRef — Home

☐ Enforce Referential Integrity
☐ Cascade Update Related Fields
☐ Cascade Delete Related Records

Relationship Type: One-To-Many

OK
Cancel
Join Type..
Create New..

> Relationship, correct type   1 mark

Step 8

> In header   1 mark

Candidate name, Centre number and candidate number

> Title 100% correct   1 mark

Hotels containing the word Lodge

Resort	Days	Hotel	ODate	HDate
DisneyWorld	21	Animal Kingdom Lodge	10/05/2010 09:45:00	31/05/2010 11:55:00
DisneyWorld	14	Wilderness Lodge	10/05/2010 09:45:00	24/05/2010 11:55:00
DisneyWorld	14	Wilderness Lodge	10/05/2010 09:45:00	24/05/2010 11:55:00
DisneyWorld	7	Animal Kingdom Lodge	24/05/2010 09:45:00	31/05/2010 11:55:00
Geneva	9	Lakeside Lodge	15/08/2010 12:50:00	25/08/2010 07:35:00
Lomas Del Faro	6	Occidental Lodge	11/07/2010 12:00:00	18/07/2010 06:05:00
Madrid	6	Grande Lodge	30/10/2010 11:15:00	05/11/2010 17:20:00

> Wildcard search on Lodge   2 marks
> No marks unless correct wildcard search
> Sorted ascending on Resort   1 mark
> Then descending on Days   1 mark
> Resort, Hotel, ODate, HDate fields – fully visible   1 mark
> Days Field   Present   1 mark
>   Calculation correct   2 marks
>   Integer value   1 mark

Step 11

Candidate name, Centre number and candidate number

In header	1 mark

Title 100% correct	1 mark

Customers with more than one holiday

Count Of JJHOLS Surname	Forename	Avg Of Cost
Castro	Pablo	£2,460.00
Dev	Dhruv	£5,350.00
Di Maio	Sheila	£5,694.50
Gutierrez	Juan	£900.00
Jones	Owen	£5,011.00
Hamilton	Tomas	£5,450.00
McPherson	Brian	£4,637.50
Ogbua	Abbaya	£4,460.50
Suresh	Paramdee	£2,598.50
Suresh	Sumit	£5,750.00
Watretson	Tomas	£2,034.00

Summary for 'Count Of JJHOLS' = 2 (11 detail records)

Avg £3,994.04

3		
Gomez	Fernando	£5,109.00
Fu	ali	£2,860.00

Summary for 'Count Of JJHOLS' = 3 (2 detail records)

Avg £4,697.00

| 4 | | |
| Brown | Tony | £7,173.50 |

Summary for 'Count Of JJHOLS' = 4 (1 detail record)

Avg £7,173.50

Selection criteria	
Number of holidays >1	2 marks
Fields	
Only these 2 fields & 2 summaries	1 mark
Summary data	
Average cost of holidays / customer	2 marks
Count of holidays / customer	2 marks
Grouping	
Number of holidays	2 marks
Sorting within groups	
Ascending Surname	1 mark
then ascending Forename	1 mark
Group footer – correct subtotal	2 marks
Currency	1 mark
2 dp	1 mark
Correct count	2 marks
Single page	1 mark
All data & labels visible	1 mark

Step 14

Candidate name, Centre number and candidate number

In header	1 mark

Holidays with an August flight

Title correct	1 mark

Customer details

Holiday reference number `SH0020`

Name `Pablo` `Castr...`

`14 High Street`

`Hadleigh`

`IP 16 8YT`

Section title	1 mark
All customer details	2 marks
(−1 per error or omission)	

Holiday details

Resort `Istanbul`

Hotel `Hilton`

Holiday type `Half Board`

Outbound flight

Flight Number `TK174`

Date Time `28/08/2010 03:20:0...`

From `London Gatwick`

To `Ataturk Istanbul`

Return flight

Flight Number `TK175`

Date Time `04/09/2010 16:00:00`

From `Ataturk Istanbul`

To `London Gatwick`

Section title	1 mark
3 holiday fields	2 marks
(−1 per error or omission)	
Outbound title	1 mark
Stepped subheadings	1 mark
4 outbound fields	2 marks
(−1 per error or omission)	
Return title	1 mark
Stepped subheadings	1 mark
4 return fields	2 marks
(−1 per error or omission)	

Payment details

Cost of Holiday `£4,708.00`

Deposit Paid `£940.00`

Balance due `£3,768.00`

Section title	1 mark
2 original payment fields	1 mark
Balance – Calculated field	2 marks
Currency format	1 mark
2 dp	1 mark

HolRef
SH0006
SH0020
SH0025
SH0026
SH0049

Search criteria give these 5 results	4 marks
(−1 for each error/omission)	
Each record on a new page	1 mark

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Insert 3 blank rows   1 mark
Delete columns CustRef, Resort, Hotel, Out and Home   1 mark
Row 2 Format – % with 2dp   1 mark
Discount table 100% correct   1 mark

Step 28

Search
Balance Due > 4000 and < 6000   2 marks

Discount	A		F		H		B		R	
			4.00%		3.00%		2.50%		1.50%	0.00%

HolRef	Type	Cost	Paid	Discount Percentage	Discount Value	Balance Due
SH0004	Full Board	£6,240.00	£1,240.00	3.0%	£187.20	£4,812.80
SH0006	All Inclusive	£7,008.00	£1,400.00	4.0%	£280.32	£5,327.68
SH0013	Full Board	£5,605.00	£1,120.00	3.0%	£168.15	£4,316.85
SH0018	All Inclusive	£6,200.00	£1,240.00	4.0%	£248.00	£4,712.00
SH0022	Full Board	£6,200.00	£1,240.00	3.0%	£186.00	£4,774.00
SH0023	Room Only	£7,274.00	£1,450.00	0.0%	£0.00	£5,824.00
SH0027	All Inclusive	£6,350.00	£1,270.00	4.0%	£254.00	£4,826.00
SH0028	Bed and Breakfast	£5,200.00	£1,040.00	1.5%	£78.00	£4,082.00
SH0047	Half Board	£6,207.00	£1,240.00	2.5%	£155.18	£4,811.83
SH0049	Full Board	£6,214.00	£1,240.00	3.0%	£186.42	£4,787.58

Format
Discount Percentage as % with 1dp and
Cost, Paid, Disc Value & Bal Due in £ 2dp   1 mark

In footer   1 mark

Candidate name, Centre number and candidate number

Discount Percentage
  Lookup function used   1 mark
  LEFT or MID extraction   1 mark
Correct range   1 mark
Correct return column & FALSE   1 mark

Discount Value
  Discount % * Cost   1 mark

Balance Due
Cost – Disc value – Paid   1 mark

HolRef	Type	Cost	Paid	Discount Percentage	Discount Value	Balance Due
SH0004	Full Board	6240	1240	=HLOOKUP(LEFT(B8,1),$B$1:$F$2,2, FALSE)	=C8*E8	=C8-F8-D8
SH0006	All Inclusive	7008	1400	=HLOOKUP(LEFT(B10,1),$B$1:$F$2,2, FALSE)	=C10*E10	=C10-F10-D10
SH0013	Full Board	5605	1120	=HLOOKUP(LEFT(B17,1),$B$1:$F$2,2, FALSE)	=C17*E17	=C17-F17-D17
SH0018	All Inclusive	6200	1240	=HLOOKUP(LEFT(B22,1),$B$1:$F$2,2, FALSE)	=C22*E22	=C22-F22-D22
SH0022	Full Board	6200	1240	=HLOOKUP(LEFT(B26,1),$B$1:$F$2,2, FALSE)	=C26*E26	=C26-F26-D26
SH0023	Room Only	7274	1450	=HLOOKUP(LEFT(B27,1),$B$1:$F$2,2, FALSE)	=C27*E27	=C27-F27-D27
SH0027	All Inclusive	6350	1270	=HLOOKUP(LEFT(B31,1),$B$1:$F$2,2, FALSE)	=C31*E31	=C31-F31-D31
SH0028	Bed and Breakfast	5200	1040	=HLOOKUP(LEFT(B31,1),$B$1:$F$2,2, FALSE)	=C32*E32	=C32-F32-D32
SH0047	Half Board	6207	1240	=HLOOKUP(LEFT(B51,1),$B$1:$F$2,2, FALSE)	=C51*E51	=C51-F51-D51
SH0049	Full Board	6214	1240	=HLOOKUP(LEFT(B53,1),$B$1:$F$2,2, FALSE)	=C53*E53	=C53-F53-D53

Replication
All 3 correct   1 mark

Candidate name, Centre number and candidate number

Step 30

Content – Maximum 12 marks

What is it:
- way of recognising the company
- trade mark/symbol/branding/unique style   [Max 2]

Can include:
- logo
- colour scheme
- font style
- paragraph style
- page layout
- page formatting
- pre-defined styles for bullets
- pre-defined styles for numbering   [Max 6]

How used:
- letter heads
- business cards
- advertising
- websites/web pages
- company vehicles
- fax/email
- packaging
- uniforms
- applied to all paperwork   [Max 4]

Applied to company:
- any two methods relating to the holiday business   [Max 2]

                    [Maximum 12]

Practical skills – Maximum 8 marks

These practical skills will only be awarded marks if there are more than 100 words present.

Word processed document with:
- consistent line/paragraph spacing
- appropriate margins
- suitable font styles
- suitable font sizes (>10 and <15)
- correct spelling, punctuation and grammar
- <300 words
- single page
- appropriate title

                    1 mark for each item – [Max 8]