

**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

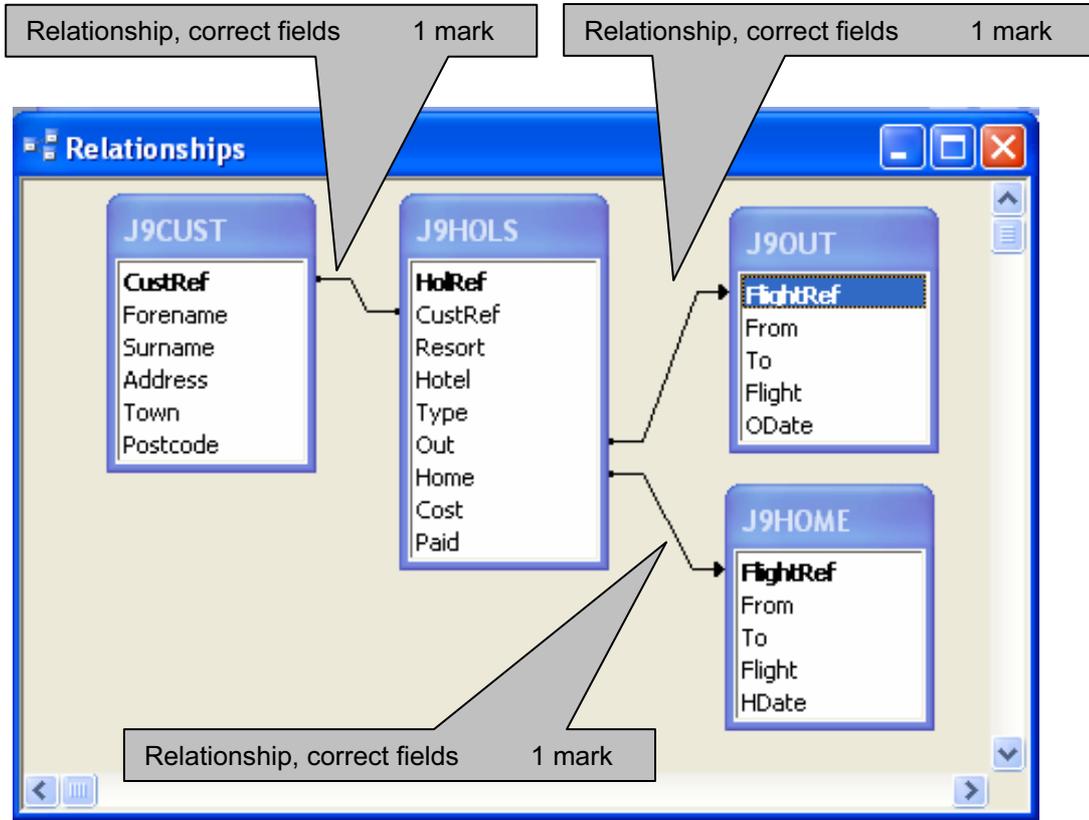
Table created
 Correct fields & field types 1 mark
 Primary key correct 1 mark

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



Table/Query: J9CUST Related Table/Query: J9HOLS

CustRef CustRef

Enforce Referential Integrity

Cascade Update Related Fields

Cascade Delete Related Records

Relationship Type: One-To-Many

Relationship, correct type 1 mark

Step 8

Candidate name, Centre number and candidate number

In header 1 mark
Title 100% correct 1 mark

Hotels containing the word Lodge

<i>Resort</i>	<i>Days</i>	<i>Hotel</i>	<i>ODate</i>	<i>HDate</i>
DisneyWorld	21	Animal Kingdom Lodge	10/05/2010 09:45:00	31/05/2010 11:55:00
DisneyWorld	14	Wildemess Lodge	10/05/2010 09:45:00	24/05/2010 11:55:00
DisneyWorld	14	Wildemess 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 HOLIDAYS	Surname	Forename	Avg Of Cost
2	Castro	Fabio	42,400.00
	Dev	Dhrus	45,300.00
	Di Vito	Shruti	46,654.50
	Gutierrez	Juan	4900.00
	Jones	Orvin	45,013.00
	Kuznetsov	Tomas	45,000.00
	McPherson	Brian	44,637.50
	Ogbue	Abenyo	44,400.50
	Suresh	Parinder	42,606.50
	Suresh	Sukrit	43,700.00
	Yuretskov	Tomas	42,034.00
Summary for 'Count Of HOLIDAYS' = 2 (11 detail records)			
Avg			43,941.64
3	Gomez	Fernando	45,100.00
	Pa	Jed	42,800.00
Summary for 'Count Of HOLIDAYS' = 3 (2 detail records)			
Avg			44,000.00
4	Brown	Tracy	47,170.50
Summary for 'Count Of HOLIDAYS' = 4 (1 detail record)			
Avg			47,170.50

- 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 Castro

14 High Street

Hale Hill

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 03:20:00

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

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

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

Search
Balance Due > 4000 and < 6000 2 marks

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

Page 9	Mark Scheme: Teachers' version	Syllabus	Paper
	GCE A/AS LEVEL – May/June 2009	9713	02

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]