

**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
HoRef	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

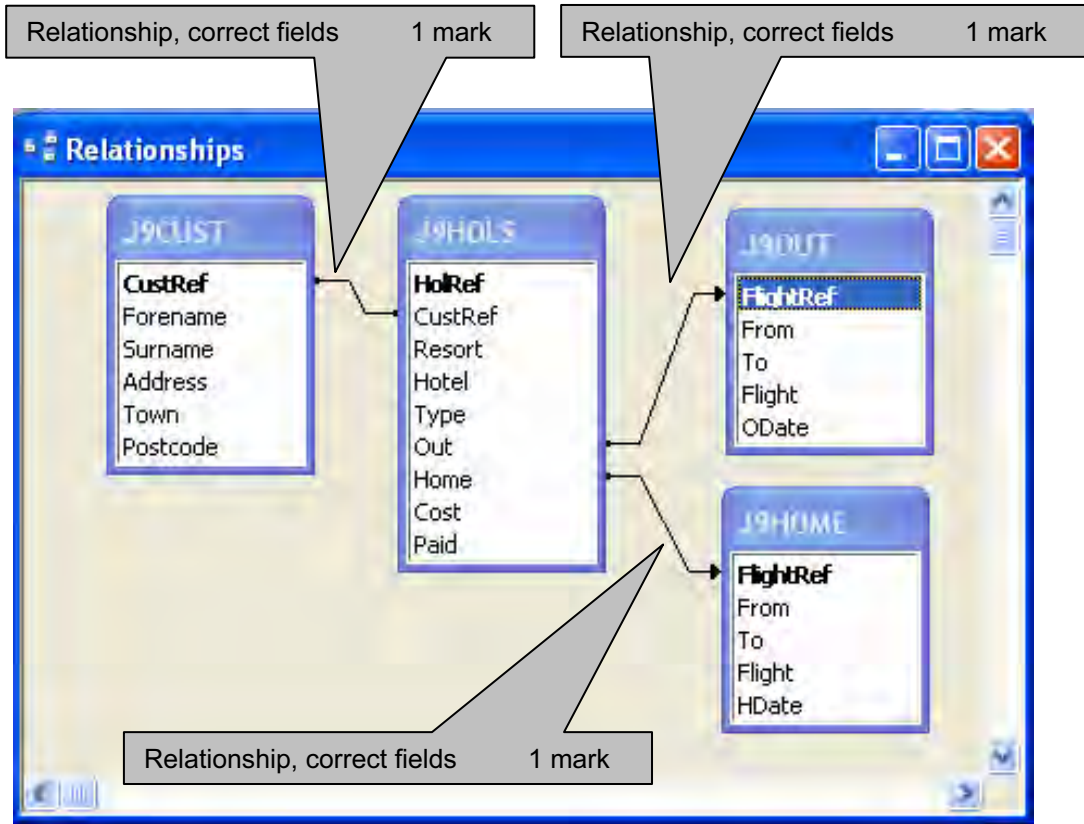
Table created  
 Correct fields & field types          1 mark  
 Primary key correct                      1 mark

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



The 'Edit Relationships' dialog box shows the configuration for the relationship between J9CUST and J9HOLS:

- Table/Query: J9CUST
- Related Table/Query: J9HOLS
- Field: CustRef (from J9CUST) linked to CustRef (in J9HOLS)
- Enforce Referential Integrity:
- Cascade Update Related Fields:
- Cascade Delete Related Records:
- Relationship Type: One-To-Many

Callout: 'Relationship, correct type' 1 mark (points to the 'One-To-Many' relationship type).

**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

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

Relationship, correct type 1 mark

**Step 8**

**Candidate name, Centre number and candidate number**

***Hotels containing the word Lodge***

In header 1 mark

Title 100% correct 1 mark

<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	Carroll	Paul	62,400.00
2	Dev	Dirk	65,300.00
2	Di Vito	Shel	65,654.50
2	Guthrie	Juan	6900.00
2	Jacob	Owen	65,013.00
2	Kennedy	Tomas	65,000.00
2	McNelson	Eric	64,637.50
2	Ogden	Alvaro	64,400.50
2	Sarah	Parvinder	62,500.00
2	Sarah	Sally	63,700.00
2	Wheeler	Tomas	62,034.00
Summary for Count Of HOLIDAYS = 2 (11 detail records)			
Avg			63,869.09
3	Cooper	Fernando	65,100.00
3	Fu	John	62,600.00
Summary for Count Of HOLIDAYS = 3 (2 detail records)			
Avg			64,350.00
4	Brown	Timothy	67,179.50
Summary for Count Of HOLIDAYS = 4 (1 detail record)			
Avg			67,179.50

- 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

Hatfield

HP16 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]