

**MARK SCHEME for the May/June 2011 question paper  
for the guidance of teachers**

**9713 APPLIED ICT**

**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.

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

Cambridge is publishing the mark schemes for the May/June 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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# **9713 – June 2011**

## **AS Level – Paper 2 – Practical Test**

2011\_Jun\_9713\_02\_MS\_Final\_published.docx

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

Step 2

Candidate name, centre number and candidate number

Table created  
 Appropriate table & field names 2 marks  
 Field types (1 mark per field) 6 marks  
 Primary key correct 1 mark

Field Name	Data Type
Album_ID	Number
Title	Text
Label_ID	Text
Artist_ID	Text
Release_date	Date/Time
Notes	Text

Field Properties	
General	
Field Size	Long Integer
Format	
Decimal Places	Auto
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Indexed	Yes (No Duplicates)
Smart Tags	
Text Align	General

A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.

Design view. F6 = Switch panes. F1 = Help. Num Lock

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# 9713 – June 2011

## AS Level – Paper 2 – Practical Test

2011\_Jun\_9713\_02\_

Table created	
Appropriate table & field names	2 marks
Field types (1 mark per field)	4 marks
Primary key correct	1 mark

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

The screenshot shows the Microsoft Access design view for a table named 'J11LABEL'. The table structure is as follows:

Field Name	Data Type	Description
Label_ID	Text	
Company	Text	
Website_1	Hyperlink	
Website_2	Text	

The 'Field Properties' pane for the 'Label\_ID' field is open, showing the following properties:

Property	Value
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	Yes (No Duplicates)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

A help message in the design view states: "A field name can be up to 64 characters long, including spaces. Press F1 for help on field names."

Candidate name, centre number and candidate number

The screenshot shows the Microsoft Access design view for a table named 'J11ARTIST'. The table structure is as follows:

Field Name	Data Type	Description
Artist_ID	Text	
Name	Text	
Notes	Text	

The 'Field Properties' pane for the 'Artist\_ID' field is open, showing the following settings:

Property	Value
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	Yes (No Duplicates)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

A callout box provides the following marking information:

- Table created: 2 marks
- Appropriate table & field names: 2 marks
- Field types (1 mark per field): 3 marks
- Primary key assigned to Artist\_ID: 1 mark

A note in the design view states: "A field name can be up to 64 characters long, including spaces. Press F1 for help on field names."

Field Name	Data Type	Description
Album_ID	Number	
Price_1	Currency	
Avail_1	Yes/No	
Price_2	Currency	
Avail_2	Yes/No	
Price_3	Currency	
Avail_3	Yes/No	

Table created  
 Appropriate table & field names 2 marks  
 Field types (1 mark per field) 7 marks  
 Primary key assigned to Album\_ID 1 mark

Field Properties for Album\_ID:  
 Field Size: Long Integer  
 Format: (empty)  
 Decimal Places: Auto  
 Input Mask: (empty)  
 Caption: (empty)  
 Default Value: (empty)  
 Validation Rule: (empty)  
 Validation Text: (empty)  
 Required: No  
 Indexed: Yes (No Duplicates)  
 Smart Tags: (empty)  
 Text Align: General

A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.

Design view. F6 = Switch panes. F1 = Help. Num Lock

**Candidate name, centre number and candidate number**

Table/Query: J11LABEL    Related Table/Query: J11ALBUM

Label\_ID    Label\_ID

Enforce Referential Integrity  
 Cascade Update Related Fields  
 Cascade Delete Related Records

Relationship Type: One-To-Many

Correct fields 1 mark  
 One-to-many 1 mark

Table/Query: J11ARTIST    Related Table/Query: J11ALBUM

Artist\_ID    Artist\_ID

Enforce Referential Integrity

Cascade Update Related Fields

Cascade Delete Related Records

Relationship Type: One-To-Many

Correct fields                    2 marks  
 One-to-many                    1 mark

Table/Query: J11WEB    Related Table/Query: J11ALBUM

Album\_ID    Album\_ID

Enforce Referential Integrity

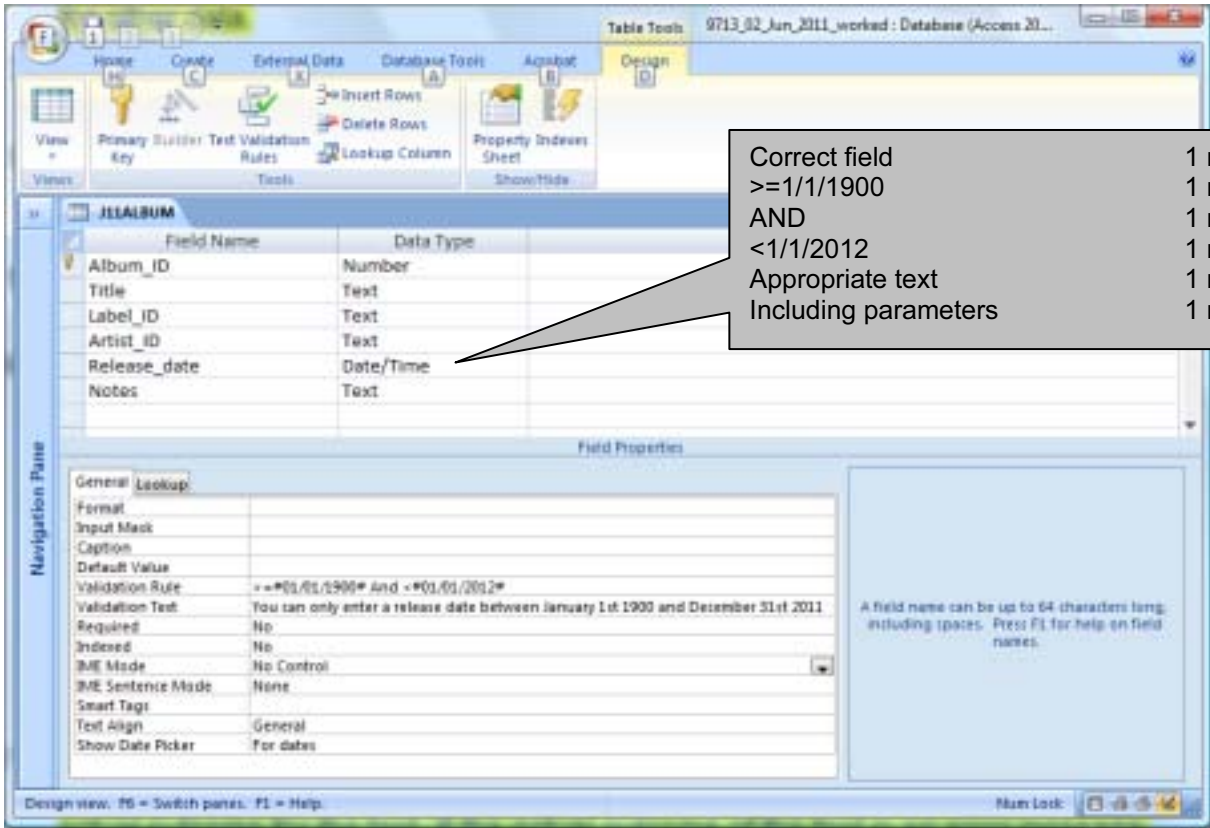
Cascade Update Related Fields

Cascade Delete Related Records

Relationship Type: One-To-One

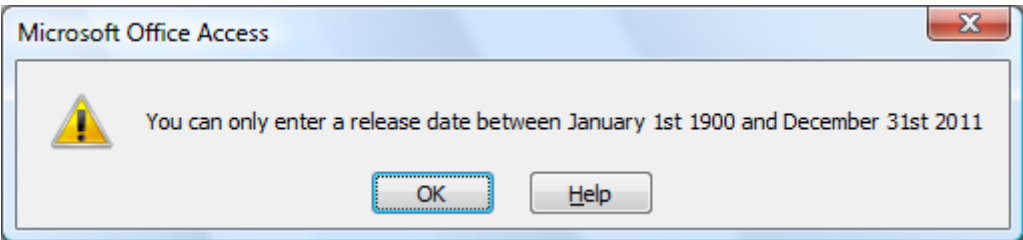
Correct fields                    2 marks  
 One-to-one                    1 mark

Candidate name, centre number and candidate number





Testing the data entered is valid:

Data chosen	Type of test data	Expected outcome	Actual outcome
e.g. <b>2/2/2002</b>	<b>Normal</b>	<b>Works</b>	<b>Works</b>
e.g. <b>1/1/900</b> OR Invalid data type	<b>Abnormal</b>	<b>Error message</b>	
<b>1/1/1900</b> OR <b>31/12/2011</b> Allow US date format	<b>Extreme</b>	<b>Works</b>	<b>Works</b>

<b>Normal data</b>	1 mark
Correct example	1 mark
Expected to work	1 mark
Works	1 mark
<b>Abnormal data</b>	1 mark
Correct example	1 mark
Expected to be rejected	1 mark
Rejected	1 mark
<b>Extreme data</b>	1 mark
Correct example	1 mark
Expected to work	1 mark
Works	1 mark

**Step 13**

**Average album prices by artist by A Student, zz999, 0999**

Header:  
 Title & candidate details 1 mark  
 Correct fields:  
 Title, 3 avail, 3 price 1 mark

Name	Title	Avail_1	Avail_2	Avail_3	Price_1	Price_2	Price_3	Ave_Price
------	-------	---------	---------	---------	---------	---------	---------	-----------

**Black Sabbath**

	We Sold Our Soul For Rock And Roll	Yes	Yes	Yes	£7.99	£7.99	£7.99	£7.99
	Paranoid	Yes	Yes	Yes	£6.99	£7.99	£7.99	£7.66
	Master of Reality	Yes	Yes	Yes	£7.99	£6.99	£7.99	£7.66
	Born Again	Yes	Yes	Yes	£7.99	£7.99	£7.99	£7.99
	Never Say Die	Yes	Yes	Yes	£4.99	£7.99	£7.99	£6.99
	Mob Rules	Yes	Yes	Yes	£7.99	£7.99	£7.99	£7.99
	Greatest Hits	Yes	Yes	Yes	£8.49	£8.99	£6.99	£8.16
	Technical Ecstasy	Yes	Yes	Yes	£7.99	£8.99	£7.99	£8.32
	Vol 4	Yes	Yes	Yes	£8.49	£7.99	£7.99	£8.16

Search:  
 3 groups only & available on all sites  
 1 mark

Calculated field:  
 Field name 1 mark  
 Correct calculation 2 marks  
 2dp and £ sterling 1 mark

**£7.88**

**Iron Maiden**

	Killers	Yes	Yes	Yes	£7.99	£7.99	£7.99	£7.99
	Somewhere back in time	Yes	Yes	Yes	£7.99	£7.99	£7.99	£7.99
	Flight 666	Yes	Yes	Yes	£6.99	£7.99	£8.49	£7.82
	Fear of the Dark	Yes	Yes	Yes	£8.49	£7.99	£8.49	£8.32
	Number of the beast	Yes	Yes	Yes	£6.99	£7.99	£4.99	£6.66
	Brave New World	Yes	Yes	Yes	£7.99	£7.99	£7.99	£7.99

Availability fields:  
 Yes/No format 1 mark  
 Grouped by name 1 mark  
 Grouped averages 1 mark

**£7.80**

**Status Quo**

	Pictures	Yes	Yes	Yes	£7.99	£7.99	£8.99	£8.32
								£8.32

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Step 16

## Content (K & U) – Maximum 30 marks

**Content:**

### Fact or opinion

on each web page

4 marks

evidence of this

4 marks

### Bias

on each web page

4 marks

evidence of this

4 marks

### Reliability

on each web page

4 marks

evidence of this

4 marks

### Currency

on each web page

4 marks

evidence of this

4 marks

### Accuracy

on each web page

4 marks

evidence of this

4 marks

### Suitability for audience

on each web page

4 marks

evidence of this

4 marks

### Selection

Which page would be used

1 mark

& summary of reasons for this choice

1 mark

Max 30 from 50 potential marks

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## Practical skills – Maximum 20 marks

**These practical skills will only be awarded marks if there are more than 200 words present.**

### Page

A4	1 mark
Portrait	1 mark
Left, right and bottom margins 2 cm and top margin 6 cm	1 mark
2 columns	1 mark
2 cm gap between columns	1 mark

### Header

Rock ICT logo on all pages	1 mark
3 cm high & aspect ratio	1 mark
Left align to margin	1 mark
1.5 cm whitespace between text and logo	1 mark
Name & Nos	
right aligned	1 mark
10 point	1 mark
sans-serif	1 mark

### Footer

Automated file name on left	1 mark
Automated page numbering on right	1 mark
Total number of pages on right	1 mark

### Body style for text

12 points	1 mark
Double line spacing	1 mark
Sans-serif font	1 mark
Fully justified	1 mark
Applied to all text (ignore title)	1 mark