

**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.

|               |                                       |                 |              |
|---------------|---------------------------------------|-----------------|--------------|
| <b>Page 2</b> | <b>Mark Scheme: Teachers' version</b> | <b>Syllabus</b> | <b>Paper</b> |
|               | <b>GCE AS/A LEVEL – May/June 2011</b> | <b>9713</b>     | <b>02</b>    |

# **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

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

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

| 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

|        |                                |          |       |
|--------|--------------------------------|----------|-------|
| Page 4 | Mark Scheme: Teachers' version | Syllabus | Paper |
|        | GCE AS/A LEVEL – May/June 2011 | 9713     | 02    |

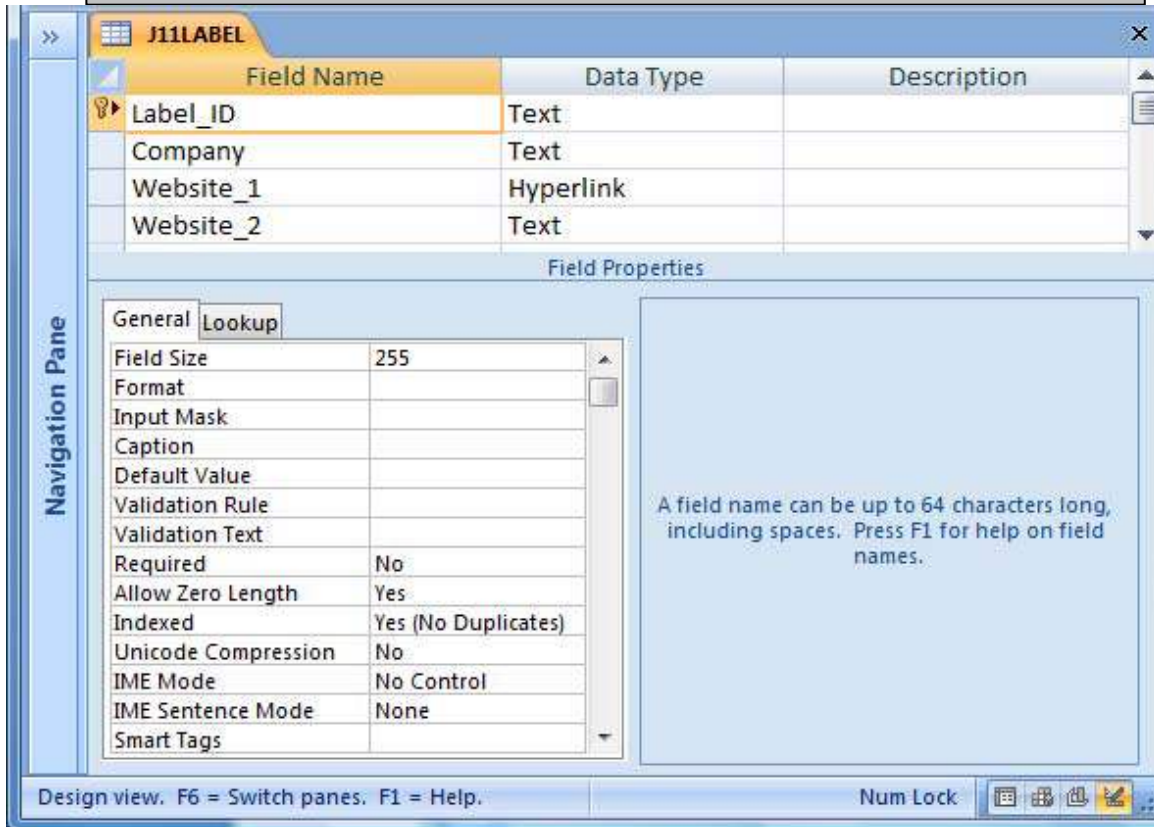
# 9713 – June 2011

## 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 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 help message in the Field Properties pane 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

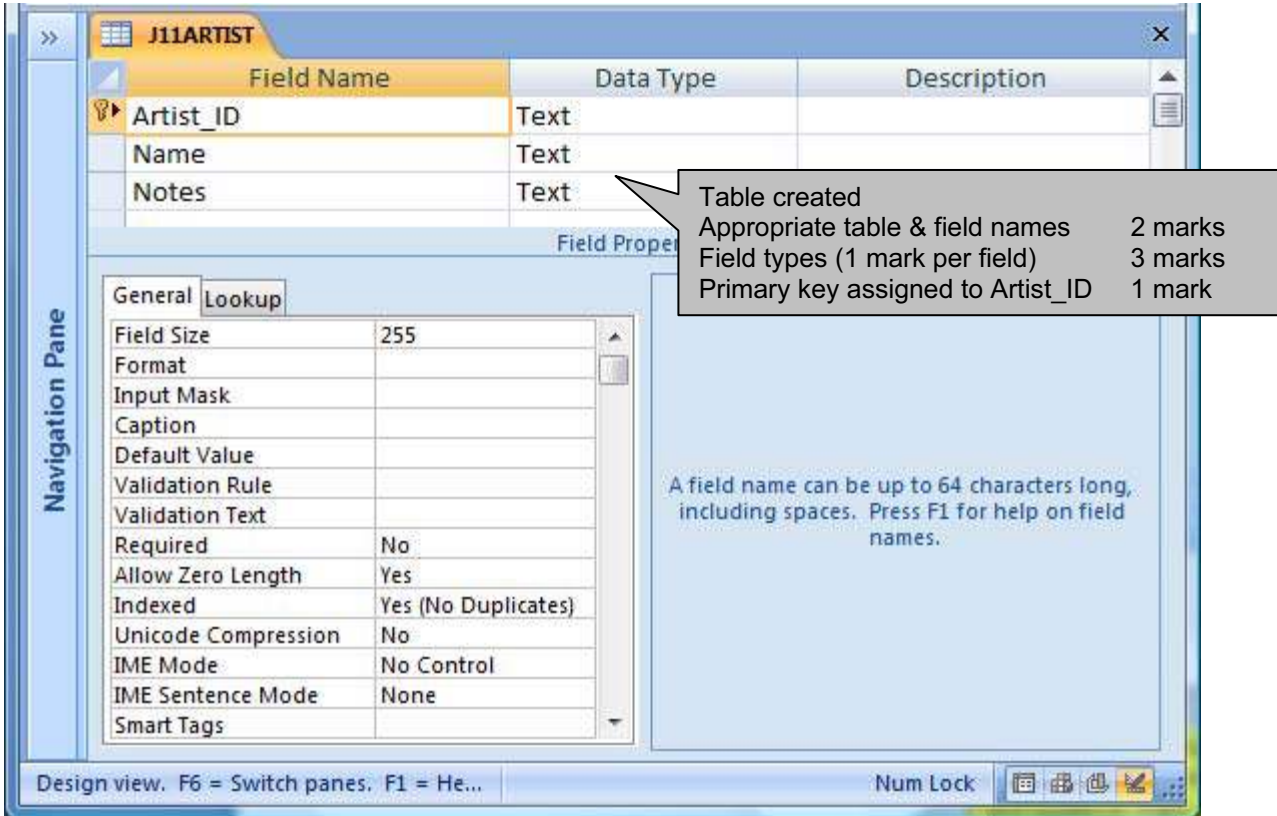


Table created  
 Appropriate table & field names 2 marks  
 Field types (1 mark per field) 7 marks  
 Primary key assigned to Album\_ID 1 mark

Field 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   |  |

Field Properties

|                 |                     |
|-----------------|---------------------|
| 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

**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

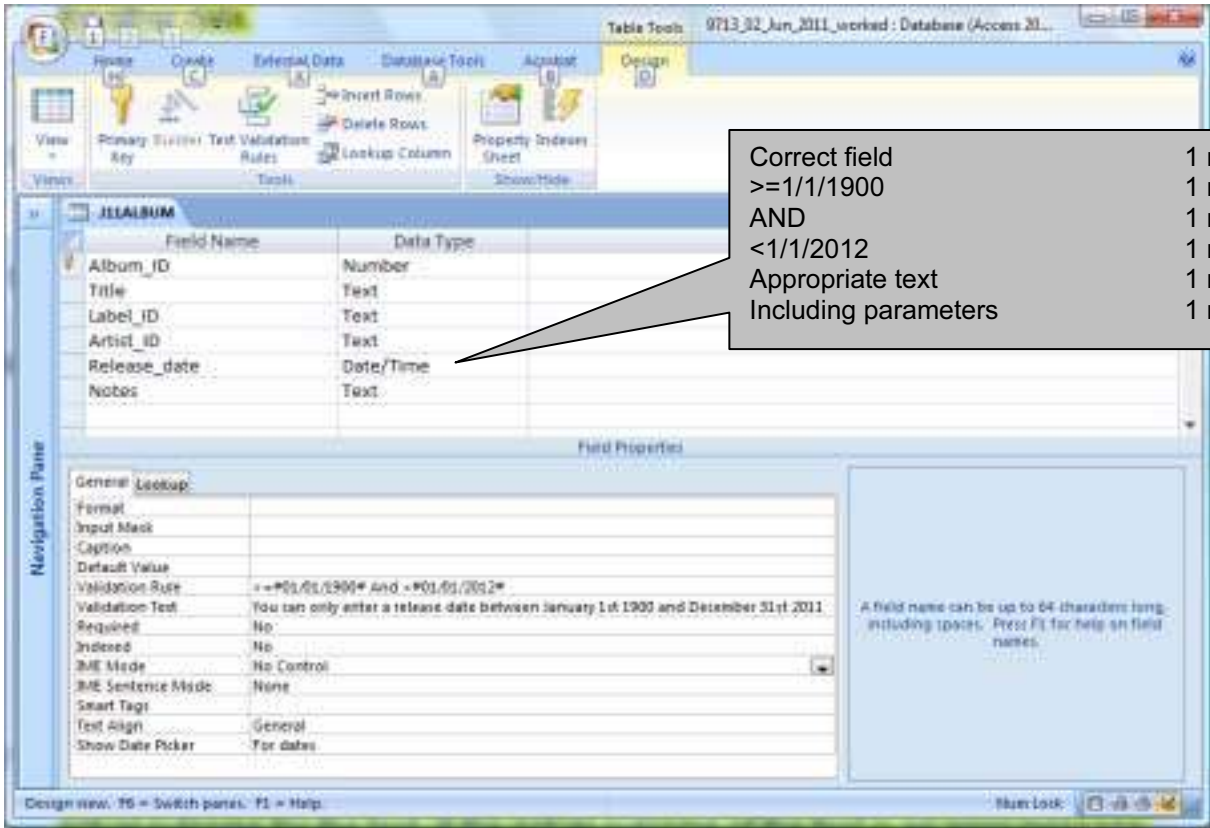
Cascade Update Related Fields

Cascade Delete Related Records

Relationship Type: One-To-One

Correct fields                      2 marks  
 One-to-one                         1 mark

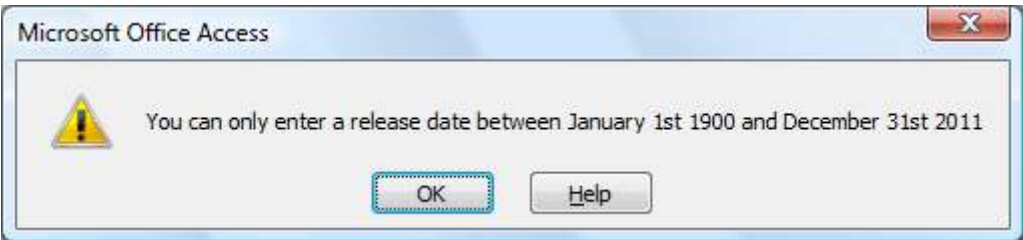
Candidate name, centre number and candidate number





|        |                                |          |       |
|--------|--------------------------------|----------|-------|
| Page 9 | Mark Scheme: Teachers' version | Syllabus | Paper |
|        | GCE AS/A LEVEL – May/June 2011 | 9713     | 02    |

Testing the data entered is valid:

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

|         |                                |          |       |
|---------|--------------------------------|----------|-------|
| Page 11 | Mark Scheme: Teachers' version | Syllabus | Paper |
|         | GCE AS/A LEVEL – May/June 2011 | 9713     | 02    |

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

|                |                                       |                 |              |
|----------------|---------------------------------------|-----------------|--------------|
| <b>Page 12</b> | <b>Mark Scheme: Teachers' version</b> | <b>Syllabus</b> | <b>Paper</b> |
|                | <b>GCE AS/A LEVEL – May/June 2011</b> | <b>9713</b>     | <b>02</b>    |

## 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 |