



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

CANDIDATE  
NAME

CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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**INFORMATION AND COMMUNICATION TECHNOLOGY**

**0417/22**

Paper 2 Practical Test

**May/June 2013**

**2 hours 30 minutes**

Additional Materials: Candidate Source Files

**READ THESE INSTRUCTIONS FIRST**

Make sure that your **Centre number**, **candidate number** and **name** are written at the top of this page and are clearly visible on every printout, before it is sent to the printer. Printouts with handwritten information will **not** be marked.

DO **NOT** WRITE IN ANY BARCODES.

Carry out **every** instruction in each step.

Steps are numbered on the left hand side of the page. On the right hand side of the page for each step, you will find a box which you can tick (✓) when you have completed it; this will help you track your progress through the test.

At the end of the exam put this **Question Paper** and **all** your printouts into the Assessment Record Folder.

If you have produced rough copies of printouts, these should be neatly crossed through to indicate that they are **not** the copy to be marked.

This document consists of **6** printed pages and **2** blank pages.



You work for a company called *Hothouse Design*. You are going to perform some tasks for this company.

✓

- 1 Create a new word processed document.

Make sure your name, Centre number and candidate number will appear on every page of this document.

Save this evidence document in your work area as **J22EVIDENCE** followed by your candidate number. For example, J22EVIDENCE9999. You will need this file later.

- 2 Add to your email address book these new contacts:

Name	Job title	Email address
<b>Jane Jones</b>	<b>Editor</b>	<b>J.Jones@cie.org.uk</b>
<b>Alice Nie</b>	<b>Manager</b>	<b>A.Nie@cie.org.uk</b>
<b>Rajinder Ghee</b>	<b>Print Manager</b>	<b>R.Ghee@cie.org.uk</b>

Place screenshot evidence of only these entries in your evidence document.

- 3 Create an email group/distribution list named **Editorial team**

Add the three contacts entered at step 2 to this group. Save the group.

Place screenshot evidence of the group and the three contacts that belong to this group in your evidence document.

You will send a message to this group later.

You are now going to edit a document about choosing hardware for a computer.

✓

- 4 Using a suitable software package, load the file **J13DRIVES.RTF**

- 5 Set the:

- page size to A4

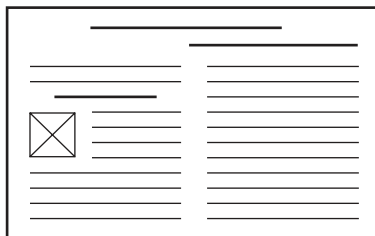
Place screenshot evidence of your page size settings in your evidence document.

- page orientation to landscape
- top and bottom margins to 2 centimetres
- left margin to 2.5 centimetres
- right margin to 1 centimetre.

Place screenshot evidence of your margin and page orientation settings in your evidence document.

- 6 Save the document with a new filename to your work area.

- 7 Set all the text to:
- a **12** point sans-serif font
  - single line spacing
  - be left aligned.
- 8 Make sure there is a blank line **12** points high after each paragraph and that the line spacing is consistent.
- 9 Place your candidate name, candidate number, your Centre number, the automated file name and path in the header.
- Place today's date and an automated page number in the footer.
- Make sure that headers and footers are displayed on each page.
- 10 Insert a blank line at the start of the document and enter the title
- Building a Crazy but Cool Computer**
- 11 Make the title centre aligned with a **26** point serif font. Make only the words *Crazy but Cool* italic.
- 12 Add this subtitle below the title.
- Choosing your storage by:** and add your name.
- 13 Set the subtitle to be:
- an **18** point serif font
  - underlined
  - right aligned.
- 14 After the subtitle format the rest of the document into two equally spaced columns, with a **1** centimetre gap.
- 15 Find an image of a hard disc drive and place it in the left column of the first page at the start of the second paragraph just after the heading *Get lots of storage*
- Align it with the top line of the text and the left margin.
- 16 Re-size the image to fill about half the column and maintain the aspect ratio.
- Make sure the text wraps round and below the image.
- It should look like this:



- 17 Find all subheadings in the document and set them to font size 14 with centre alignment.
- 18 Save the document.



- 19 Create a new database, with the following record structure:

<i>Code</i>	<b>Numeric / Integer</b> <i>This will be unique for each record</i>
<i>Model</i>	<b>Text</b>
<i>Connection</i>	<b>Text</b>
<i>Type</i>	<b>Text</b>
<i>RPM</i>	<b>Text</b>
<i>Interface</i>	<b>Text</b>
<i>Gb_s</i>	<b>Numeric / 1 decimal place</b>
<i>Capacity</i>	<b>Numeric / Integer</b>
<i>Size</i>	<b>Numeric / 1 decimal place</b>
<i>Price</i>	<b>Currency / 2 decimal places</b>
<i>Stock_item</i>	<b>Boolean / Logical</b> <i>Display as Yes/No or a check box</i>

**Currency will be displayed in Euros with two decimal places.**

- 20 Assign the most appropriate field as the primary key.

- 21 Save a screenshot showing the field names and data types used. Place a copy of this screenshot in your evidence document.

- 22 Import the data from the file **J13STORAGE.CSV** into the database created at step 19.

- 23 Insert the following three records:

<i>Code</i>	<i>Model</i>	<i>Connection</i>	<i>Type</i>	<i>RPM</i>	<i>Interface</i>	<i>Gb_s</i>	<i>Capacity</i>	<i>Size</i>	<i>Price</i>	<i>Stock item</i>
973062	Samsung 830	Internal	SSD	N/A	SATA	6	256	2.5	389.99	Yes
973063	Hitachi UltraStar	Internal	HDD	10000	SATA	6	850	3.5	459.99	Yes
973064	Intel 320	Internal	SSD	N/A	SATA	6	512	2.5	639.99	Yes

- 24 Check your data entry for errors.

Save the data.

- 25 Produce a report which:

- contains a new field called **Price\_per\_GB** which is calculated at run-time. This field will calculate the *Price* divided by the *Capacity*
- has the *Price\_per\_GB* field set as currency with 2 decimal places
- shows only the records where the *Connection* is **Internal**, *Interface* is **SATA** and *Stock\_item* is **Yes**
- shows all the fields and their labels in full
- has a page orientation of landscape
- fits on a single page wide
- sorts the data into ascending order of *Type*, then ascending order of *Code*
- calculates the average price per GB of these drives and
  - shows this value at the bottom of the *Price\_per\_GB* column
  - formats the average price to currency with 2 decimal places
  - has the label **Average price per GB for all drives**
- includes the title **Internal SATA storage devices** at the top of the page
- has your name, Centre number and candidate number on the left in the footer.

- 26 Save and print this report.



- 27 Using the data selected in step 25, refine your search to produce another report which:
- shows only those records from step 25 where
    - *Type* is **SSD**
    - *Gb\_s* is **6**
  - fits on one page wide in portrait layout
  - shows only the fields *Model*, *Connection*, *Type*, *Interface*, *Gb\_s*, *Capacity*, *Price*, and *Stock\_item*
  - is sorted into descending order of *Price*
  - includes the title **Some of the fastest SSD drives** at the top of the report
  - has your name, Centre number and candidate number at the top of the report.
- 28 Save and print this report.
- 29 Further refine your search in step 27 to include only solid state drives with a capacity of 128 or less. Sort these drives into descending order of *Capacity*
- 30 Include this list showing only the fields *Model*, *Type*, *Gb\_s*, *Capacity* and *Price* in the document just after the sentence that ends:
- ... solid state drives that you might consider for the system:*
- 31 From all the data, find the cheapest price per GB of a SATA HDD and copy the details into the table in the document.
- 32 From all the data, find the cheapest price per GB of a SATA SSD and copy the details into the table in the document.
- 33 Merge the cells in the top row of the table and centre align the text.
- 34 Make only the text in the second row of the table underlined.
- 35 Set only the outside lines of the table to a width of about **3** points as a thick line.
- 36 Spell-check and proof-read the document.
- Place page breaks, if necessary, to make sure that:
- tables do not overlap two columns or pages
  - there are no widows
  - there are no orphans
  - there are no blank pages.
- Make sure all formatting is consistent throughout your document.
- 37 Save the document.
- Print the document.

You are now going to work on a presentation.

✓

- 38 Using the file **J1322PRES.RTF**, create a new presentation. This should contain five slides with bullet points.
- 39 Make sure your name and the slide numbers appear on every slide.
- 40 Delete any blank slides.
- 41 Change the layout of slide one to title and subtitle.
- 42 On the slide with the title *Solid state drives – benefits* add as the first bullet point, the text
- Very fast operating system start up**
- 43 Set the same transition between slides.
- 44 Set only the bullet points on all slides to appear one by one.
- 45 Provide screenshot evidence of transitions and animations and place this in your evidence document.
- 46 Print all slides as audience notes, three per page.
- 47 Prepare an email message:
- to be sent to **design.h@cie.org.uk**
  - copied to the *Editorial team* from your contacts list
  - with the subject line **Draft for storage article**
- The body text of the message should include:
- your name
  - your Centre number
  - your candidate number
  - the text **The document for your editorial comments is attached.**
- 48 Attach to your email the document which you last saved at step 37.
- 49 Take a screenshot of this email, showing clearly that the attachment is present, and place it in your evidence document.
- Send the email.
- 50 Save and print the evidence document.

**Write today's date in the box below.**

Date



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