UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER

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.

UNIVERSITY *of* CAMBRIDGE
International Examinations

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
Jane Jones	**Editor**	**J.Jones@cie.org.uk**
Alice Nie	**Manager**	**A.Nie@cie.org.uk**
Rajinder Ghee	**Print Manager**	**R.Ghee@cie.org.uk**

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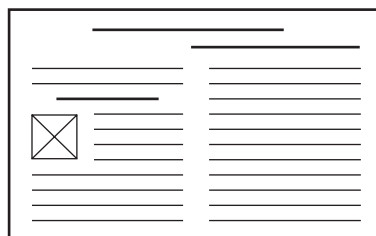
17 Find all subheadings in the document and set them to font size 14 with centre alignment.

18 Save the document.

✓ ☐

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

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

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: ☐

Code	Model	Connection	Type	RPM	Interface	Gb_s	Capacity	Size	Price	Stock item
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

☐

BLANK PAGE

BLANK PAGE