

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
General Certificate of Education
Advanced Subsidiary Level and Advanced Level

CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
NUMBER

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APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/02

Paper 2 Practical Test

May/June 2012

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.

DO **NOT** WRITE IN ANY BARCODES.

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

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

The number of marks is given in brackets [] at the end of each question or part question.

Any businesses described in this paper are entirely fictitious.

This document consists of **4** printed pages.

You work as an ICT consultant for RockICT who produce and sell music. The band Lyryx are planning a UK tour. You are going to manipulate some data about the dates of the concerts and the places where the band will perform (the venues). You have been provided with source data files which you will need to examine carefully.

- 1 You are required to provide evidence of your work, including screen shots at various stages. Create a document named:

CentreNumber_CandidateNumber_Evidence.rtf

e.g. ZZ999_99_Evidence.rtf

Place your name, Centre number and candidate number in the header of your evidence document.

- 2 Open the RockICT website using the URL <http://www.rockict.net/venues>

Find the list of UK concert venues. Extract all the data from the table and save this as a spreadsheet called **VENUES**

You may need to manipulate this data so that you are able to complete later questions.

- 3 Using a spreadsheet package, open the file **J12TOUR.CSV**

- 4 Delete the top four rows from this spreadsheet. [1]

- 5 In cell C3 place a formula that will look up the *Name* of the venue from the file **VENUES** [7]

- 6 In cell D3 place a formula that will look up the *Location* of the venue from the file **VENUES** [4]

- 7 In cell F3 place a formula that will look up the *Capacity* of the venue from the file **VENUES** [4]

- 8 Visually check the accuracy of your results from steps 5 to 7.

- 9 In cell G2 place a formula that will calculate the number of trucks required to transport the equipment to the next venue. If the next venue has:

- less than or equal to 400 seats, then 2 trucks will be required
- greater than 400 and less than 5000 seats, then 1 truck for every 400 seats plus one extra truck will be required
- 5000 or more seats, then 15 trucks will be required. [8]

- 10 In cell I2 place a formula that will calculate the driving time in minutes, between the two venues, rounded to the nearest minute. Each truck has an average speed of 55 miles per hour. Use the *Miles to the next venue* column to help you. [4]

- 11 In cell J2 place a formula that will calculate the number of drivers that are required to transport the equipment to the venue. Each driver can only drive for 5 hours and then cannot drive again during each journey. [5]

- 12 Replicate the formulae added in steps 5 to 11 for each journey. [2]

- 13 Place labels and formulae in appropriate cells to calculate and display the total number of miles, the total distance covered and the maximum and minimum number of drivers required for all journeys on the tour. [6]
- 14 Insert a footer, right aligned, that has the text **Lyryx Tour Plan by** followed by your name, Centre number and candidate number. [1]
- 15 Make all labels entered in step 13 and all cells in row 1 centre aligned, italic and bold. [3]
- 16 Save the spreadsheet and print it in on a single page with landscape orientation. Ensure that all values and labels are fully visible. Do not show row and column headings. [4]
- 17 Print the spreadsheet in formulae view. Ensure that all formulae and labels are fully and clearly visible. Show row and column headings. [3]
- 18 Create a chart to show the number of miles driven to each venue on this tour. Select the most appropriate type of graph or chart to display this data. Ensure that all labels are fully visible. Place your name, Centre number and candidate number on the chart. Print the chart. [8]

Your manager wants to explain to a client why validation and verification are used with databases and spreadsheets.

- 19 Produce a word processed document of less than 500 words. Relating your answer to databases and spreadsheets, explain in your own words:
 - why validation and verification techniques are used
 - how validation and verification techniques are used.

Apply the house style supplied by the client in the file **J12STYLES.RTF** to your document. [49]
- 20 Save and print the file.

You are now going to prepare a presentation about RockICT. The first slide will be used as a menu.

- 21 Produce a new presentation with four slides. On the master slide include your name, Centre number and candidate number.

On the first slide add the heading **RockICT promotions**

On the second slide add the heading **RockICT headlines**

On the third slide add the heading **Band news**

On the fourth slide add the heading **The best of...** [1]
- 22 On the first slide enter the text **Band news** and make this a hyperlink to the third slide.

Enter the text **RockICT website** and make this a hyperlink to open the website <http://www.rockict.net>

Show screen shot evidence of how you created these hyperlinks in your evidence document. [5]

23 On the same slide add an image that could represent sending an email.

Make this image a hyperlink to send an email to **Lyryx@rockict.net** with the subject line **Lyryx Fan Club**

Show screen shot evidence of how you created the hyperlink to this email address in your evidence document.

[4]

24 Print the presentation showing 4 slides to a page.

[1]

25 Save and print your evidence document.

Write today's date in the box below.

Date