OCR
Oxford Cambridge and RSA

Thursday 26 May 2016 – Afternoon

GCSE INFORMATION AND COMMUNICATION TECHNOLOGY

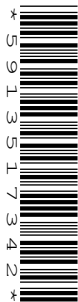**B063/02** ICT in Context

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Candidates answer on the Question Paper.

OCR supplied materials:
• Clean-copy pre-release material (B063/02/PRE inserted)

Other materials required:
None

Duration: 1 hour

Candidate forename		Candidate surname	

Centre number					Candidate number				

INSTRUCTIONS TO CANDIDATES

• The Insert will be found inside this document.
• Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
• Use black ink. HB pencil may be used for graphs and diagrams only.
• Answer **all** the questions.
• Read each question carefully. Make sure you know what you have to do before starting your answer.
• Write your answer to each question in the space provided. If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
• Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

• The number of marks is given in brackets **[ ]** at the end of each question or part question.
• The total number of marks for this paper is **60**.
• Your Quality of Written Communication is assessed in questions marked with an asterisk (*).
• This document consists of **12** pages. Any blank pages are indicated.

OCR is an exempt Charity

Turn over

2

Answer **all** the questions.

1 Progress Leisure uses a number of software tools.

Write the letter of the type of software that would be most appropriate to complete the tasks in the table below. Use each letter once only.

The first one has been completed for you.

A. Database
B. Desktop publishing
C. Presentation
D. Spreadsheet
E. Web authoring
F. Web browser
G. Word processor

Task	Type of Software
Creating a newsletter about recent events	B
Calculating charges for each of the activities	
Creating a memo to distribute to all staff	
Editing the Progress Leisure website	
Producing a multimedia slide show to display information on a screen during a meeting	
Running a query to find all customers living in Coventry	
Viewing information on Progress Leisure's intranet site	

[6]

3

2   Progress Leisure stores personal data about its customers in a database.

   (a) (i)   Identify the legislation that applies to the storage of personal data by Progress Leisure.

   .... **[1]**

   (ii)   What must Progress Leisure do to comply with this legislation, before using this personal data to send marketing information to its customers?

   ....

   .... **[1]**

   (iii)   State **two** other rights this legislation gives customers as a result of Progress Leisure storing their data.

   1 ....

   ....

   2 ....

   ....
                                                                                                                                   [2]

   (b) Customers complete a data capture form when registering with Progress Leisure.

   State **three** items of data about customers that Progress Leisure would collect on the data capture form.

   1 ....

   2 ....

   3 ....
                                                                                                                                   [3]

3 Running machines in the gym receive information wirelessly from a wearable heart rate monitor.

    (a) (i) Identify **one** suitable wireless technology that would be used to transfer heart rate information to the running machine.

        .... **[1]**

      (ii) Explain why the method you have chosen is suitable.

        ....

        ....

        ....

        .... **[2]**

    (b) Identify **three** other items of data that could be displayed by the running machine and saved in the customer's profile.

      1 ....

      2 ....

      3 ....

                                                                         [3]

4 When Progress Leisure replaces computer equipment, the equipment is recycled.

    Explain **one** action Progress Leisure must take **before** recycling computer equipment.

    ....

    ....

    ....

    .... **[2]**

5 Progress Leisure has a website through which customers can view their fitness data.

(a) Customers must log on to the website using two-factor authentication.

Describe **one** method of two-factor authentication that could be used by Progress Leisure.

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.... **[2]**

(b) After logging onto the website, customers can display their data on screen to analyse their fitness.

Explain **two** different ways the data could be presented to help customers analyse their fitness.

1 ....

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2 ....

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[6]

6 Progress Leisure gives staff and customers access to a wireless network with internet access.

(a) Customers must agree to the Progress Leisure Acceptable Use Policy before using the wireless network.

What is an Acceptable Use Policy?

....

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....

.... **[2]**

(b) Customers and staff use the same wireless network.

Describe **one** method Progress Leisure could use to keep the company's data secure.

....

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.... **[2]**

7

7* Progress Leisure uses equipment that displays a simulated race course. This allows customers to race and see data on the race at the end of the session.

Explain the advantages and disadvantages of using this type of equipment.

Marks will be awarded for the quality of written communication in your answer.

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.... **[8]**

Turn over

8

8 Progress Leisure's website has Web 2.0 features.

Identify **three** Web 2.0 features Progress Leisure would use on its website. Explain how **each** feature would be used.

Feature 1 ....

How used ....

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Feature 2 ....

How used ....

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....

....

Feature 3 ....

How used ....

....

....

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[9]

9* Progress Leisure customers can analyse their fitness data from their personal profiles using different devices.

Evaluate the use of a smartphone to analyse this data.

Marks will be awarded for the quality of written communication in your answer.

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.... **[8]**

Turn over

10 Progress Leisure is considering installing a VoIP telephone system.

Explain **one disadvantage** to Progress Leisure of using VoIP technology.

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....

.... **[2]**

END OF QUESTION PAPER

11

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

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