

**Monday 21 January 2013 – Morning**

**GCSE INFORMATION AND COMMUNICATION TECHNOLOGY**

**B063/02** ICT in Context

Candidates answer on the Question Paper.

**OCR supplied materials:**

- Pre-release material (inserted)

**Other materials required:**

None

**Duration:** 1 hour



|                       |  |                      |  |
|-----------------------|--|----------------------|--|
| Candidate<br>forename |  | Candidate<br>surname |  |
| Centre number         |  | Candidate number     |  |

**INSTRUCTIONS TO CANDIDATES**

- 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. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- 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.

2

- 1 The staff at Aqua-Inflatables use a range of specialised and general purpose software.

Draw a line to match each task to the most appropriate software.

| Task                                          | Software                 |
|-----------------------------------------------|--------------------------|
| Produce profit and loss accounts              | CAM                      |
| Manufacture inflatable boats                  | Desktop publishing (DTP) |
| Display a new product to a boating conference | Presentation software    |
| Produce the customer catalogue                | Spreadsheet              |
| Write and mail-merge publicity materials      | Word processing          |

[5]

- 2 Aqua-Inflatables produces a newspaper article to promote a new boat. The article and associated images need to be sent to the editor of the newspaper.

State **two** electronic methods of sending these files.

- 1 .....
- .....
- 2 .....
- .....

[2]

3

3 Aqua-Inflatables instructs its staff to use open source software.

Explain **two** benefits to Aqua-Inflatables of using open source software.

1 .....

.....

.....

.....

2 .....

.....

.....

.....

[4]

4

- 4 There are a number of different methods which Aqua-Inflatables could use to communicate information to groups and individuals.

(a) State **two** different online communication methods which would be suitable for each of the following:

(i) A one-to-one discussion to arrange a meeting

1 .....

2 ..... [2]

(ii) To promote a new product to the maximum number of people

1 .....

2 ..... [2]

(iii) To allow all customers to share feedback with each other

1 .....

2 ..... [2]

(b) Explain **two** methods Aqua-Inflatables' staff could use to avoid security problems when using online communications.

1 .....

.....

.....

.....

2 .....

.....

.....

..... [4]

**5\*** Aqua-Inflatables uses CAD to design its inflatable boats.

Discuss the benefits **and** limitations of using CAD for boat design.

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

[8]

**6** State **three** ways in which software could be used by Aqua-Inflatables to help with project planning.

1 .....

2 .....

3 .....

[3]

**7\*** Aqua-Inflatables' staff are often asked difficult questions about boat design and need to refer to experts to respond to the questions.

Discuss the advantages **and** disadvantages to Aqua-Inflatables' staff of using an expert system, rather than passing the queries on to human experts.

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

[8]

**Go to page 8 for question 8**

**7**

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**Question 8 begins on page 8**

**PLEASE DO NOT WRITE ON THIS PAGE**

8 Aqua-Inflatables has an online catalogue. One element needed on each catalogue page is a title.

(a) State **four** other elements needed on online catalogue pages.

1 .....

.....

2 .....

.....

3 .....

.....

4 .....

.....

[4]

(b) Aqua-Inflatables has a worldwide market. Its online catalogue is available in a range of languages. When new products are added, the description of each one needs to be translated into the different languages.

Explain **one** advantage and **one** disadvantage of using a web-based language translator rather than a human translator for these descriptions.

Advantage .....

.....

.....

.....

Disadvantage .....

.....

.....

.....

[4]

(c) Aqua-Inflatables' staff use the options TO, CC, and BCC when sending emails to staff and customers.

(i) Explain the differences between the terms TO, CC and BCC.

.....

.....

.....

.....

.....

..... [3]

(ii) Give **one** example of when Aqua-Inflatables might use BCC.

.....

..... [1]

**Turn over for last question**

10

- 9 Aqua-Inflatables uses a wide range of software for communications, design, manufacture and project management.

The company has decided to replace its computers and needs to specify the hardware requirements. For example, a high-performance graphics card is needed to process 3-D graphics quickly.

Give **four** other hardware items that should be included in the specification. For each, state the reason why it is important to Aqua-Inflatables.

1 .....

Reason .....

.....

.....

2 .....

Reason .....

.....

.....

3 .....

Reason .....

.....

.....

4 .....

Reason .....

.....

.....

[8]

END OF QUESTION PAPER

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