OXFORD CAMBRIDGE AND RSA EXAMINATIONS
GCSE

B063/02

INFORMATION AND COMMUNICATION TECHNOLOGY

ICT in Context

WEDNESDAY 12 JUNE 2013: Afternoon
DURATION: 1 hour
plus your additional time allowance

MODIFIED ENLARGED

Candidate forename		Candidate surname	

Centre number						Candidate number				

Candidates answer on the Question Paper.

OCR SUPPLIED MATERIALS:

Pre-release material (inserted)

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

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INSTRUCTIONS TO CANDIDATES

- **Write your name, centre number and candidate number in the boxes on the first page. 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).**

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 (*).**
- **Any blank pages are indicated.**

BLANK PAGE

Aqua-Inflatables' staff use CAD/CAM in the design and manufacture of boats.

1 Tick ONE box in each row of the table below to show whether the statement is true or false.

STATEMENT	TRUE	FALSE
CAD/CAM is more ACCURATE than manual methods		
It is more DIFFICULT to send manufacturing instructions to a machine in another part of the world using CAD/CAM than manually		
It is much HARDER to edit a drawing using CAD than using paper and pencils		
CAD drawings take up more storage space than manual drawings		
With CAD, two people in different countries can easily work together on the same drawing		
You can design in both 2D and 3D using CAD		

[6]

2 Aqua-Inflatables' staff use a range of software.

(a) Identify THREE types of software which Aqua-Inflatables' staff might use.

For each type of software, give an example of its use by Aqua-Inflatables' staff.

1 _____

_____

Use _____

_____

_____

2 _____

_____

Use _____

_____

_____

3 _____

_____

Use _____

_____

_____

[6]

(b) Aqua-Inflatables is considering having bespoke software produced.

Explain why Aqua-Inflatables might want bespoke software.

_____

_____

_____

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_____

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_____

_____ **[3]**

(c) State TWO DISADVANTAGES to Aqua-Inflatables of commissioning bespoke software.

1 _____

_____

_____

2 _____

_____

_____

[2]

3 Aqua-Inflatables needs to keep up with advances in technology.

(a) Explain what CLOUD COMPUTING is and why Aqua-Inflatables might use it.

_____

_____

_____

_____

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_____ **[3]**

(b) Explain what THIN CLIENT TECHNOLOGY is and why Aqua-Inflatables might use it.

_____

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_____

_____ **[3]**

4 Aqua-Inflatables has found, on other websites, a number of excellent resources about their boats, including videos of customers using their boats.

Explain TWO advantages and ONE disadvantage to Aqua-Inflatables of using embedded sources in its website.

Advantage 1 _____

_____

_____

_____

_____

_____

_____

Advantage 2 _____

_____

_____

_____

_____

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_____

Disadvantage _____

_____

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_____

_____

[6]

5 Explain why Aqua-Inflatables would use BOTH a blog and a forum.

_____

_____

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_____

_____ **[4]**

6* Modern communications and networking systems allow Aqua-Inflatables' staff to work from home.

Discuss the possible effects of Aqua-Inflatables' staff working from home.

Marks will be awarded for the quality of written communication in your answer. [8]

7 Look at Fig. 1 on the loose sheet.

Refer to Fig. 1 on the loose sheet.

Draw a line from each label to the correct Gantt chart element.

LABEL	GANTT CHART ELEMENT
A	A main task
B	Sub-tasks
C	Time allocated for a task
D	Task list
E	Time line

[5]

8 Aqua-Inflatables uses a distributed database to store customer details.

State TWO problems which might occur with a distributed database.

1 _____

_____

_____

2 _____

_____

_____

[2]

9 Aqua-Inflatables needs to purchase the correct number of software licences in order to comply with the Copyright, Designs and Patents Act.

What is the purpose of this legislation?

_____

_____

_____

_____

_____

_____ **[2]**

10 One of the designers at Aqua-Inflatables has 10 large documents to send as an email attachment.

Describe the most efficient way of doing this.

_____

_____

_____

_____

_____

_____ **[2]**

11* Aqua-Inflatables has data obtained from a customer preferences survey from 2005.

Discuss the factors that Aqua-Inflatables will need to consider when deciding whether or not to use the 2005 data to predict the customer requirements for 2014.

Marks will be awarded for the quality of written communication in your answer. [8]

END OF QUESTION PAPER

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