OCR
RECOGNISING ACHIEVEMENT

Wednesday 12 June 2013 – Afternoon

GCSE INFORMATION AND COMMUNICATION TECHNOLOGY

B063/02 ICT in Context

Duration: 1 hour

Candidate forename		Candidate 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 **8** pages. Any blank pages are indicated.

OCR is an exempt Charity

Turn over

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 ....

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2 ....

Use ....

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3 ....

Use ....

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[6]

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

Explain why Aqua-Inflatables might want bespoke software.

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.... **[3]**

(c) State **two disadvantages** to Aqua-Inflatables of commissioning bespoke software.

1 ....

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2 ....

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[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 ....

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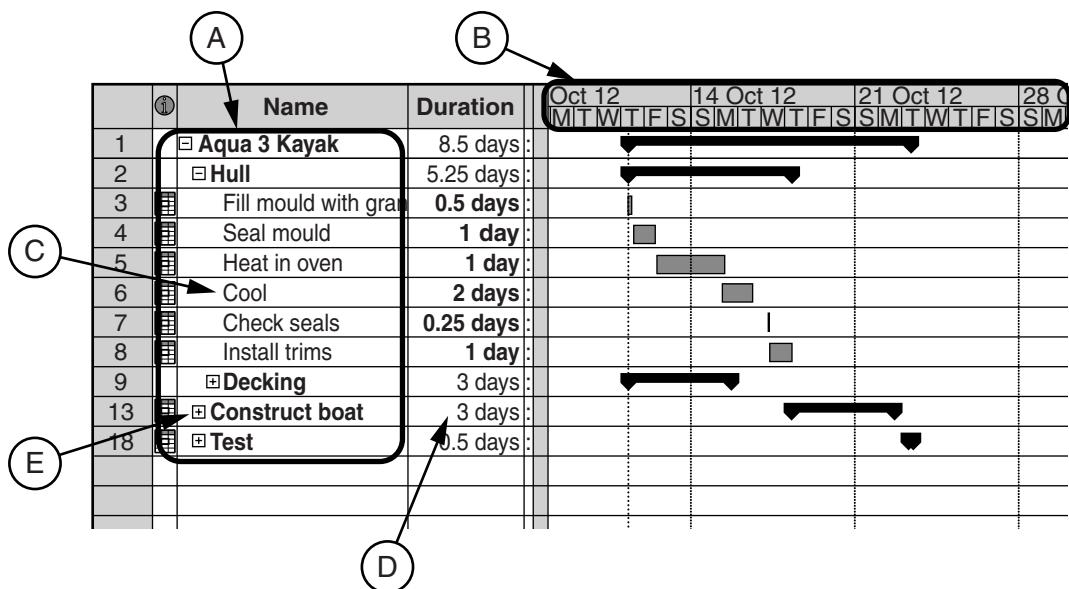
6* Modern communications and networking systems allow Aqua-Inflatables' staff to work from home.

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

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

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.... **[8]**

7 Fig. 1 shows a Gantt chart for an Aqua-Inflatables project.

Fig. 1

Refer to Fig. 1.

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 ....

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2 ....

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[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?

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.... **[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.

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.... **[2]**

Turn over for last question

Turn over

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.

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END OF QUESTION PAPER