

Candidate Style Answers

OCR GCSE ICT J461 / J061

Unit B063 ICT in Context: Examined Assessment

Mid-Grade Candidate Response

This support material booklet is designed to accompany the OCR GCSE ICT specifications for teaching from September 2010.

Introduction

OCR has produced these candidate style answers to support teachers in interpreting the assessment criteria for the new GCSE specifications and to bridge the gap between new specification release and availability of exemplar candidate work.

This content has been produced by subject experts, with the input of Chairs of Examiners, to illustrate how the sample assessment questions might be answered and provide some commentary on what factors contribute to an overall grading. The candidate style answers are not written in a way that is intended to replicate student work but to demonstrate what a “good” or “excellent” response might include, supported by examiner commentary and conclusions.

As these responses have not been through full moderation and do not replicate student work, they have not been graded and are instead, banded “middle” or “high” to give an indication of the level of each response.

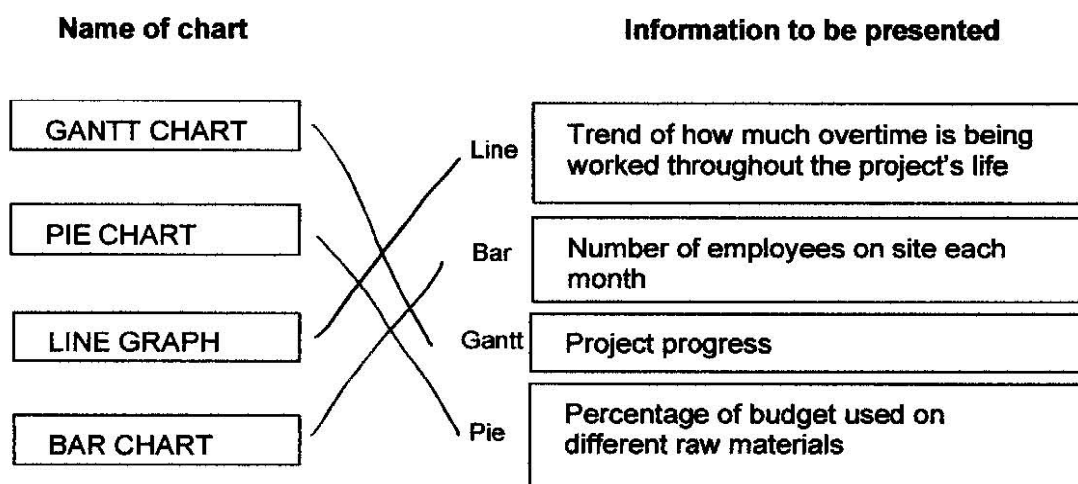
Please note that this resource is provided for advice and guidance only and does not in any way constitute an indication of grade boundaries or endorsed answers.

- 1 Within the design office of Ambermill Construction Ltd. the staff uses specialised hardware and software. In the table below tick the boxes to show which items are general (found in any office) and which are specialised.

Equipment and Software	General item (✓)	Specialised item (✓)
'3D' Printer		X
A0 Plotter		X
C.A.D. package		X
Graphics Tablet		X
Monitor	X	
Mouse	X	
'QWERTY' keyboard	X	
Word processing package	X	

[4]

- 2 Ambermill Construction Ltd. uses a number of ICT methods to communicate.
Draw a line joining the name of the chart with the type of information needed to be presented.



[4]

3

- (a) State **two** advantages to the designers at Ambermill Construction Ltd. of using electronic drawings rather than traditional paper based drawings.

Advantage 1..... Electronic drawings can be modified more easily.

Advantage 2..... They can send the drawings by email. [2]

- (b) State **one** disadvantage to the designers at Ambermill Construction Ltd. of using electronic drawings rather than traditional paper based drawings.

Disadvantage Need people who know how to design and how to use the software. [1]

- 4 Explain **three** reasons why Ambermill Construction Ltd. might use videoconferencing to discuss the design of a new building.

Reason 1 Saves on air travel because people can tune in from anywhere.

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Reason 2 They can share their important documents.

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Reason 3 Seeing each other is better than just talking on the phone.

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..... [6]

[Turn over

- 5 Ambermill Construction Ltd.'s management has decided to use 'Web 2.0' applications in the office as part of their on-line strategy.

Each of the company's project managers has been instructed to keep an on-line diary of project progress.

What is the usual name for this type of on-line diary on the internet?

Blog

[1]

- 6 State two other types of 'Web 2.0' application useful to Ambermill Construction Ltd.

Type 1 A chat room so they could talk about problems.

Type 2 They could use forums to find out what other people know about a problem.

[2]

- 7 Ambermill Construction Ltd. uses a number of different types of software.

State the type of software that would be most suitable for each of the tasks shown in the table below.

You may use the same software more than once. Do not use brand names.

Task	Type of software
To store and search customer data	database
To write a letter	word processor
To calculate the cost of construction	spreadsheet
To modify a web page graphic	graphics software
To present data at a conference	presentation software

[5]

- 8 Ambermill Construction Ltd. promotes itself as an 'environmentally friendly' company. ICT is used both in the design of the building and within the building itself.

Explain **two** ways ICT can be used within the building to reduce its environmental impact.

Way 1 They could use it for the heating so that it gets turned off if there's no one there.

.....

Way 2 Same for lighting.

.....

 [4]

- 9 In the table below tick **three** essential items of hardware or software that Ambermill Construction Ltd. would need in order to connect to and search the internet.

Hardware and software	Essential item (✓)
Digital camera	
Ethernet card	X
Hard drive	
Network cable	X
Printer	
Router	X
Speakers	

[3]

[Turn over

10 *Discuss how Ambermill Construction Ltd. could use a computer based 'Expert' System.

The quality of written communication will be assessed in your answer to this question.

The company would use an expert system to provide more information and expertise than they already have.

This is because expert systems contain a large amount of information on something. They get lots of experts

to put in the information and then they sell it as an expert system. It's like a big database and it can be

updated when they think of something new. They search it using a search engine and an inference

engine to look up logical rules. These logical rules can help them find problems too.

It's cool because anyone can use it from anywhere!

[8]