

# Principal Examiner Feedback

## Summer 2010

GCE O Level

### GCE O Level Computing (7105) Paper 01

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## General Comments

This was the final sitting for this examination. The standard of candidate's answers in Part A of the paper was better overall this year. Weaknesses were seen in some areas but varied between centres. Some good responses were seen in Part B where candidate's knowledge was applied to the Case Study.

## Section A

### Question 1(a)

The majority of candidates were fully aware of the purpose and function of a bar code.

### Question 1(b)

The stock control process was fully explained by the majority of candidates.

### Question 1(c)

Most candidates gained two of the available three marks here usually for 'stock being stolen' and 'human error'.

### Question 2 (a)(i)

The majority of candidates gave the correct answer here by stating a microphone was a suitable input device.

### Question 2(a)(ii)

Most candidates gained one of the available two marks by stating that speech recognition software interprets or converts speech into text. Few went on to explain the full process-obtaining an output in some form.

### Question 2(b)

Most candidates gained one of the available two marks describing a different method of text entry using a scanning device. Few again explained the full process

### Question 3(a)

Most responses referred to sharing peripheral and using email. Few mentioned software upgrades are easier or improved security through use of access level etc.

### Question 3(b)

Most candidates scored one of available two marks here usually for storing files and data. Few mentioned security or handling data requests.

### Question 3(c)(i)

Most candidates answered correctly by answering with 'router' or NIC card.

### Question 3 (c)(ii)

Few could describe the action of the device stated in c(i)

### Question 4

This question was poorly answered by most candidates. The role of the software engineer was confused with that of a programmer. And the systems analyst role was restricted to mostly 'fact finding'

### Question 5(a)

Good responses by the majority of candidates scoring two marks for naming suitable sensors.

### Question 5(b)

Only the stronger candidates could fully explain the part that feedback plays in a control system.

**Question 5(c)**

Most candidates gained a mark for stating the robot had learned the path. Only the better candidates could explain the full process in terms of 'object position and avoidance processes'

**Question 6(a)**

Most candidates gained 4 of the available 6 marks. The stronger candidates gained all 6 marks for correctly completing the flow chart.

**Question 6(b)**

The majority of candidates gave good responses to this question.

**Question 6(c)**

The responses to this question were generally poor. Many candidates confused this process with backup systems and not as a security measure for tracking system access.

**Question 7(a)**

Most candidates gained the 2 available marks, usually for virus attack and hackers. Few mentioned deliberate data alteration or deliberate hardware damage.

**Question 7(b)**

This was followed through from Question 7(a) with correct answers given by most candidates.

## Section B

### Question 8

This question was well answered by most candidates and many gained the full marks allocated.

### Question 9(a)

This question was generally well answered but some candidates lost marks by not applying the adding, deleting and amending process to the music database.

### Question 9(b)

Only the candidates scored one of the available two marks. This was for realising was difficult to search in a memo field. Few expanded on this for the additional mark.

### Question 9 (c)

This question was poorly answered by almost all candidates. Some gained a mark for suggesting queries could be run or reports would be easier but there was no expansion of any of the answers offered.

### Question 10

This question was well answered by almost all candidates with most gaining 4 of the available 6 marks. The stronger candidates gained all 6 marks for a suitable form design.

### Question 11(a)

Candidates mostly responded well by stating 'how to create a report' and 'how to amend the database'. Few mentioned 'common errors' or an 'index/contents page'.

### Question 11(b)

Only the strongest candidates gained marks here with most of them scoring 3 marks for identifying the correct fields (viola and violin) and 'classical=yes'. Few named the tables to be used.

### Question 12(a)

Some good responses were seen here and the majority of candidates gained 2 of the available 3 marks.

### Question 12(b)

Only the strongest candidates realised that the web site could be accessed from a link within the database.

### Question 13(a)

Candidates made a good attempt at this final question. The stronger candidates gained 2 of the available 3 marks, usually for using the intranet and applying access levels. Few mentioned the fact that Mr. Raymond would have full control and students 'read only access'.

### Question 13(b)

This was poorly answered as most candidates still discussed access levels as a security measure. This is not the case here. Answers must be linked to file permissions or attributes in some way.

## Statistics

Grade	A	B	C	D	E
Combined Boundary Mark 7105/01 & 7105/02	56	45	34	29	23

### Note

Grade boundaries may vary from year to year and from subject to subject depending on the demands of the question paper.

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