

# COMPUTER STUDIES

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Paper 7010/11

Paper 11

## General comments

The standard of candidates' work was slightly higher than that shown in June 2012. As with 2012, there are still some areas where improvements could be made, but the overall standard proved again to be very satisfactory. Two areas in particular where candidates continue to be weak are an understanding of how web sites work and questions which involve understanding how GPS technology works. However, questions involving trace tables and logic circuits proved to be very successful indicating some very sound teaching into the basic principles required for these topics.

There is also a continued move to questions where candidates have to apply their knowledge rather than just show their ability to simply remember facts. There is strong evidence that this is producing candidates who are now exhibiting a far better understanding and application of the syllabus topics than in past exam papers.

## Comments on specific questions

### Section A

#### Question 1

This question was reasonably well answered with most candidates adhering to the instruction to give four different examples of sensors. The main errors were centred on the usual incorrect sensors such as heat sensor or movement sensor, neither of which actually exist.

#### Question 2

This question produced a wide range of responses with the full range of marks from 0 to 6 being seen. The answers ranged from perfect pieces of code to answers which gave a description of what the loop did. A number of candidates were under the impression that IF ... THEN and CASE ... OF constructs were examples of loops.

#### Question 3

- (a) There were no real problems here, however some candidates would benefit from further developing their knowledge of chat rooms and cookies.
- (b) The standard of answers here was very variable. Some candidates gave excellent descriptions of the five terms whilst others produced unclear responses such as: "chat rooms are where people chat on the Internet" or "cookies give the user their Internet history" – neither of these answers explained the terms in a way which warranted any real credit.

#### Question 4

- (a) This question caused very few problems. However some candidates would benefit from reinforcing their knowledge of ring and star network topologies as some did call part (i) a circle and part (ii) a tree or a bus.
- (b) The majority of candidates gained marks for the benefits of networking computers e.g. sharing of hardware and/or software resources such as printers. However, very few gave acceptable answers for the drawbacks. Many answers were close, such as "risk of viruses/hacking" or "it is expensive" – neither gained a mark since the first answer needed to indicate that there was an increased risk from spreading viruses/hacking when networking computers and, in the second

# June 13 Paper 3 Computer Studies

**Yicheng Fang**



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web if the vectors are in the component form then the vector sum formula is  $a = a_1 \mathbf{i} + a_2 \mathbf{j} + a_3 \mathbf{k}$  if the two vectors are arranged by attaching the head of one vector to the tail of the other then their sum is the vector that joins the

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