



**COMPUTER SCIENCE
HIGHER LEVEL
PAPER 3**

SPECIMEN PAPER (1)

1 hour

INSTRUCTIONS TO CANDIDATES

- Do not turn over this examination paper until instructed to do so.
- Answer all questions.

Answer **all** questions.

1. Outline the meaning of the following terms.

(a) *cookie* [2 marks]

(b) *slack file space* [2 marks]

2. Companies who recycle their computers by selling them on to someone else will aim to erase all data on their hard drive. However, this may not always be successful.

(a) Outline how formatting the disk may not in fact achieve this aim. [4 marks]

(b) Outline the possible effects on privacy if all of the data is **not** erased. [4 marks]

3. In the training exercise, John focused on securing the hard drive of the suspect's computer.

Explain why other file evidence may have been missed in concentrating solely on the hard drive. [6 marks]

4. Discuss the methods used by criminals to hide or disguise certain files. For each method, identify the countermeasures that can be taken by a computer forensic scientist. [12 marks]
