

Cork Institute of Technology  
Bachelor of Science (Honours) in Herbal Science - Stage 1

(NFQ – Level 8)

Summer 2007

**Computer Studies**

(Time: 2 Hours)

Answer ANY FOUR questions.  
All Questions carry equal marks.

Examiner: Mr. Martin Connolly  
Dr. D. Corrigan  
Mr. E. Walsh

**Q 1. (25 marks)**

Q 1 (a) Describe the 5 main types of computer. (10 marks)

(b) Distinguish between the RAM, ROM and the Hard Disk of a computer.  
(15 marks)

**Q 2. (25 marks)**

Q 2 (a) Describe the risks and disadvantages of networking for an organisation.  
(10 marks)

(b) “Although the terms ‘Internet’ and ‘WWW’ are used interchangeably they have in fact distinct meanings. In addition, the terms Intranet and Extranet are frequently used without regard to their actual meaning”  
Distinguish between the terms Internet and WWW and explain what we mean by the terms Intranet and Extranet.  
(10 marks)

(c) Explain the term Client/Server computing. (5 marks)

**Q3. (25 marks)**

- Q3 (a) Describe how the European Data Protection Directive protects computer users.  
(10 marks)
- (b) Explain what you understand by the term 'Computer Virus' and describe how computer users can protect themselves from these programs.  
(15 marks)

**Q4. (25 marks)**

- Q 4 (a) Describe 3 factors you should consider when buying a printer.  
(10 marks)
- (b) Outline 10 guidelines to follow for looking after computer hardware.  
(10 marks)
- (c) Explain what is meant by the terms 'Multimedia' and 'Multimedia Applications'.  
(5 marks)

**Q5. (25 marks)**

- Q5 (a) Outline the Hardware and Software elements required for Mobile Computing.  
(15 marks)
- (b) Describe 4 areas in which IT is playing a role in solving biological problems.  
(10 marks)