

General Certificate of Education  
June 2003  
Advanced Subsidiary Examination



**INFORMATION AND COMMUNICATION TECHNOLOGY    ICT1**  
**Unit 1 Information: Nature, Role and Content**

Thursday 5 June 2003    Afternoon Session

**In addition to this paper you will require:**  
a 12-page answer book.

Time allowed: 1 hour 30 minutes

**Instructions**

- Use a blue or black ink or ball-point pen. Use pencil only for drawing.
- Write the information required on the front of your answer book. The *Examining Body* for this paper is AQA. The *Paper Reference* is ICT1.
- Answer **all** questions.

**Information**

- The maximum mark for this paper is 60.
- Mark allocations are shown in brackets.
- The use of brand names in your answers will **not** gain credit.
- You are reminded of the need for good English and clear presentation in your answers.

---

Answer **all** questions.

---

- 1 Information is said to be of good quality if it is *accurate, up-to-date* and *relevant for a particular use*.

Using a different example for each one, describe what is meant by each of these **three** characteristics of good quality information. (6 marks)

- 2 Banks keep records of customers and their bank accounts. Give **one** example for each of the following:

(a) data that are recording facts; (1 mark)

(b) data that are the result of a transaction. (1 mark)

- 3 Using a different example for each one of the following personal skills, describe why they are important for an IT professional:

(a) written communication skills; (2 marks)

(b) listening skills; (2 marks)

(c) problem solving skills. (2 marks)

- 4 A company that makes cricket bats intends to set up a website to advertise its range of products, and to take orders on-line.

(a) Describe **two** factors that the company should consider when deciding on a name for its website. (4 marks)

(b) Having decided upon a name for the site, describe the next step that the company must take before it can use the name. (2 marks)

(c) Describe **two** ways in which the company could use the facilities available on the Internet to encourage visitors to use their site. (4 marks)

- 5 A checkout operator in a supermarket scans the barcodes of items being purchased by customers. The scanner is linked to an Electronic Point of Sale (EPOS) system. The software that is used contains functions to look up the prices and descriptions of the products that are scanned in order to produce an itemised receipt for the customer. The software also produces a daily sales summary report for the store manager.

(a) Give **one** item of data that is entered into the EPOS system. (1 mark)

(b) Give **two** items of information that are produced by the EPOS system. (2 marks)

(c) Describe **one** use of the daily sales summary report for the store manager. (2 marks)

---

6 State **one** feature that each of the following items should possess, explaining how it may prevent health and safety problems for someone using a computer:

(a) the keyboard; *(2 marks)*

(b) the chair; *(2 marks)*

(c) software packages. *(2 marks)*

7 The use of laptop computers by company employees has increased the threats to ICT systems.

Describe **four** threats to ICT systems caused by employees using laptops. *(8 marks)*

8 As the use of ICT increases so does the need for legislation to control its use.

Explain, using an example for each one, what is covered by:

(a) the Data Protection Act; *(3 marks)*

(b) the Computer Misuse Act; *(3 marks)*

(c) copyright and licensing agreements. *(3 marks)*

9 State **one** way in which ICT can be used by each of the following organisations, and give a benefit to that organisation of using it. Your examples must be different in each case:

(a) the Police; *(2 marks)*

(b) a hospital; *(2 marks)*

(c) a coach company; *(2 marks)*

(d) a publishing company. *(2 marks)*

**END OF QUESTIONS**