

General Certificate of Education
January 2006
Advanced Subsidiary Examination



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

Friday 13 January 2006 1.30 pm to 3.00 pm

For this paper you must have:

- a loose insert
- a 12 page answer book

Time allowed: 1 hour 30 minutes

Instructions

- Use 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.
- The marks for questions are shown in brackets.
- You will **not** gain credit for the use of brand names in your answers.
- You are reminded of the need for good English and clear presentation in your answers.

Answer **all** questions.

- 1 Name, and give an example of, **three** characteristics of information that give it value and importance. *(6 marks)*
- 2 A company that manufactures electrical goods intends to set up a website to advertise its range of products and to take orders on-line.
- (a) Give **two** factors that the company should consider when deciding on a name for its website, and state why each factor should be considered. *(4 marks)*
- (b) Having decided upon a name for the site, describe what else the company must do before it can use the name. *(2 marks)*
- (c) Give **four** ways in which the company could use the facilities available on the Internet to encourage visitors to use its site. *(4 marks)*
- 3 (a) Name the following:
- (i) legislation designed to protect companies and individuals who produce software; *(1 mark)*
- (ii) legislation designed to protect the privacy of individuals whose personal data is held by others. *(1 mark)*
- (b) State **two** duties of the Information Commissioner. *(2 marks)*
- 4 For each of the following organisations, state **one** use it can make of ICT and give **one** benefit to the organisation of this use. The uses of ICT must be different in each case.
- (a) A newspaper *(2 marks)*
- (b) A supermarket *(2 marks)*
- (c) A travel company *(2 marks)*
- (d) The Police *(2 marks)*

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- 5 Using a different example of how an ICT professional would use each of the following personal skills, describe why the skill is important:
- (a) written communication skills; (2 marks)
 - (b) listening skills; (2 marks)
 - (c) problem solving skills. (2 marks)
- 6 Explain, using examples, what is meant by each of the following terms:
- (a) *data*; (2 marks)
 - (b) *information*; (2 marks)
 - (c) *knowledge*. (2 marks)
- 7 People who access computer systems without authorisation can be prosecuted under the Computer Misuse Act (1990).
- (a) State, and give an example of, each of the **three** sections of the Computer Misuse Act. (6 marks)
 - (b) Why are there few prosecutions under the Computer Misuse Act? (2 marks)
- 8 (a) With reference to **Figure 1** on the loose insert, give an explanation of the items marked:
- (i) X; (2 marks)
 - (ii) Y; (2 marks)
 - (iii) Z. (2 marks)
- (b) Two recipients of the e-mail, shown in **Figure 1**, are 'Reception' and 'Archive'.
Explain why the complete e-mail address does **not** appear. (2 marks)
- (c) Give **two** benefits to an organisation of using e-mail. (2 marks)
 - (d) Give **two** limitations to an organisation of using e-mail. (2 marks)

END OF QUESTIONS

There are no questions printed on this page

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INSERT

For use in Question 8

Figure 1.

Figure 1

Y

X

Z

