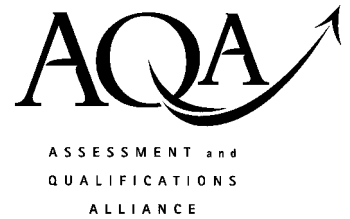


General Certificate of Education
June 2007
Advanced Subsidiary Examination



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

Tuesday 22 May 2007 9.00 am to 10.30 am

For this paper you must have:

- a 12-page answer book.

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or ball-point pen.
- 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.
- Do all rough work in your answer book. Cross through any work you do not want to be marked.

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 Explain, using examples, what is meant by:

- (a) data *(2 marks)*
- (b) information *(2 marks)*
- (c) knowledge. *(2 marks)*

2 **Figure 1** shows a weekly payslip, which has been produced as the output from data that has been input and processed.

- (a) State **one** item of data that is input each week. *(1 mark)*
- (b) State **two** items of data that would be held on a payroll file. *(2 marks)*
- (c) Explain **one** process that has taken place in order to produce this payslip. *(3 marks)*

Figure 1

Employee Name				
Joe Jones				
Employee Number	N.I. Number	Tax Code	Tax Period	Date
Z001	ZX212345N	567P	29	22/11/2006
Item Code	Description	Rate	Hours	Amount
01	Basic-Weekly	10.00	46.00	460.00
06	Travel	10.00	7.00	70.00
10	Accommodation			80.00
TOTAL GROSS PAY				610.00

3 Internet access at home has enabled many people to shop online.

- (a) Explain **two** benefits of shopping online. *(4 marks)*
- (b) Explain **two** limitations of shopping online. *(4 marks)*

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- 4 ICT professionals require certain personal qualities to enable them to do their job well.
Describe **three** personal qualities that they should have. (6 marks)
- 5 An international company conducts many meetings using video-conferencing facilities.
- (a) State **two** benefits of video-conferencing. (2 marks)
- (b) State **two** limitations of video-conferencing. (2 marks)
- 6 (a) Using examples from ICT, explain the difference between *malpractice* and *crime*. (4 marks)
- (b) Describe **one** method of reducing malpractice. (2 marks)
- (c) Describe **one** method of reducing crime. (2 marks)
- 7 (a) Explain the purpose of data protection legislation. (2 marks)
- (b) What is meant by the following terms?
- (i) Data Subject (2 marks)
- (ii) Data User (2 marks)
- (c) Describe the rôle of the Information Commissioner. (2 marks)
- 8 The Internet can be used for communication and information publication.
- (a) Describe **three** methods of communicating over the Internet. (6 marks)
- (b) Describe **three** ways in which an organisation can use the Internet for publishing and/or retrieving information. (6 marks)
- (c) A student uses information from a website for an essay.
What information should she give about the website in her bibliography? (2 marks)

END OF QUESTIONS

There are no questions printed on this page