

General Certificate of Education
June 2006
Advanced Subsidiary Examination



INFORMATION AND COMMUNICATION TECHNOLOGY ICT2
Unit 2 Information: Management and Manipulation

Thursday 8 June 2006 1.30 pm to 3.00 pm

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. 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 ICT2.
- 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 answer.
- You are reminded of the need for good English and clear presentation in your answers.

Answer **all** questions.

- 1 Give **two** different methods of entering data into a computer system. (2 marks)
- 2 Name **one** mode of processing that would be suitable for each of the following ICT systems:
- (a) airline ticket booking; (1 mark)
 - (b) production of electricity bills; (1 mark)
 - (c) Internet banking; (1 mark)
 - (d) controlling a nuclear power station. (1 mark)
- (One word answers are acceptable for this question.)
- 3 Give **four** advantages of using a relational database, rather than a flat file information storage and retrieval system. (4 marks)
- 4 A personal computer is supplied with an operating system and a set of peripheral drivers. Explain what is meant by the terms:
- (a) *operating system*; (3 marks)
 - (b) *peripheral driver*. (3 marks)
- 5 (a) Explain **two** possible sources of error that can occur when data is entered into a computer system. (4 marks)
- (b) Name **two** methods of reducing data entry errors, and state how each method is used. (4 marks)
- 6 Explain what is meant by the terms *security of data* and *privacy of data*. (4 marks)
- 7 A company is reviewing its backup and recovery procedures.
- (a) Describe **three** items that should be included in a backup procedure. (6 marks)
 - (b) State **three** actions that should be part of a recovery procedure. (3 marks)

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- 8 (a) What is *applications software*? (2 marks)
- (b) There are **three** different types of applications software: generic, specific and bespoke.
- Using an example for each one, describe what is meant by:
- (i) generic software; (2 marks)
- (ii) specific software; (2 marks)
- (iii) bespoke software. (2 marks)
- (c) Give **three** benefits to users of having a common user interface between application packages. (3 marks)
- 9 There are ten employees in a local estate agent's office. Each employee uses a networked PC on a Local Area Network (LAN).
- (a) Give **four** benefits to the office of using a network, rather than stand-alone PCs. (4 marks)
- (b) The office is part of a national chain that is connected together over a Wide Area Network (WAN).
- (i) Explain the difference between a LAN and a WAN. (4 marks)
- (ii) Give **two** benefits to the estate agent's office of using the WAN. (2 marks)
- (c) The local office has purchased a digital camera to take pictures of the houses that it is selling.
- Give **two** benefits to the office of using a digital camera. (2 marks)

END OF QUESTIONS

There are no questions printed on this page

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