General Certificate of Education
January 2005
Advanced Subsidiary Examination

ASSESSMENT and
QUALIFICATIONS
ALLIANCE

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

Thursday 13 January 2005   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 ICT2.
- 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.

ICT2

Answer **all** questions.

1   State **two** types of data, other than text, that can be stored in a computer file.

(One word answers are acceptable for this question.)   *(2 marks)*

2   Describe **two** possible differences between a Local Area Network (LAN) and a Wide Area Network (WAN).   *(4 marks)*

3   Give **four** advantages of using a relational database over a flat file information storage and retrieval system.   *(4 marks)*

4   All employees of a company have to use an eight-character password to access the company's computer network.

State **three** rules that the employees should follow to ensure the password system is an effective security measure.   *(3 marks)*

5   An applications package has macro capabilities.

   (a)   Describe what is meant by the term *macro*.   *(2 marks)*

   (b)   Give **two** examples of where the use of macros would be appropriate.   *(2 marks)*

6   Explain the difference between the terms *verification* and *validation* when applied to the input of data. Illustrate your answer with an example of each.   *(4 marks)*

7   A company is reviewing its backup procedures.

Describe **four** items that need to be considered when reviewing the backup procedures.   *(8 marks)*

8   (a)   Explain what is meant by the term *generic package software*.   *(3 marks)*

   (b)   Give **three** different examples of generic package software.   *(3 marks)*

9   A village store has just installed an Electronic Point-Of-Sale (EPOS) system including a bar code reader.

   (a)   Describe **two** advantages that the store gains from using the EPOS system.   *(4 marks)*

   (b)   Describe **one** disadvantage to the store of the EPOS system.   *(2 marks)*

10 Most PCs make use of a GUI (Graphical User Interface).

State **four** features of a GUI, giving an advantage of each feature. *(8 marks)*

11 The head of a company's IT services department is to give the company's computer users a presentation about the facilities offered by operating systems.

(a) State **four** of the facilities offered by operating systems that should be included in the presentation.
(4 marks)

(b) He decides to develop a computer-based presentation to be displayed using an LCD (data) projector, rather than creating overhead projection transparencies.

(i) State **three** functions of the presentation software that are available for use with the LCD (data) projector (but which cannot be used with overhead projection transparencies).
(3 marks)

(ii) Give **four** factors that should be considered when designing an effective presentation.
(4 marks)

END OF QUESTIONS