GCSE 2004
June Series

AQA

Mark Scheme

Applied Information and Communication Technology (Double Award)
Unit 3 (3850/3)

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of candidates' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

Task One: Report (30 Marks)

Candidate produces a basic description of three technologies available to access and exchange information and carry out transactions

Identify 3 technologies	1 mark for each, up to 3 marks
Basic description of 3 technologies	1 mark for each, up to 3 marks
More details on 1 or more of the technologies	1 mark for each, up to 2 marks
	8 marks

More detailed description, including main purposes of technologies available, giving advantages and disadvantages, using ICT to search, select and organise information

Purposes of 2 technologies	1 mark for each, up to 2 marks
Advantages of 2 technologies	1 mark for each, up to 2 marks
Disadvantages of 2 technologies	1 mark for each, up to 2 marks
Use of ICT to search or select information	1 mark
Use of ICT to organise information	1 mark
	8 marks

Candidate identifies trends over time based on detailed descriptions of purposes, advantages and disadvantages

Identify 3 trends	1 mark for each, up to 3 marks
More detail of trends	1 mark for each, up to 3 marks
	6 marks

Candidate produces well-structured description, including List of Sources of information, with each source evaluated and validated

Well-structured report	up to 3 marks
List of range of sources	up to 2 marks
Sources specifically related to content of report	1 mark
Validation of at least one source	1 mark
Evaluation of at least one source	1 mark
	8 marks

Task Two: Presentation (52 Marks)

Candidate describes groups and/or individuals affected by ICT systems

Identify 3 groups	1 mark for each, up to 3 marks
Description of 3 groups	1 mark for each, up to 3 marks
Relate groups to ICT use	1 mark for each, up to 3 marks

9 marks

Candidate considers consequences of lack of access to ICT and benefits available through use of ICT

Consequences of lack of access to ICT	1 mark for each, up to 5 marks
Benefits of use of ICT	1 mark for each, up to 5 marks

10 marks

Candidate's work is effective and appropriate to needs of audience, and is produced using fully the software features available

Identify audience	1 mark
Format appropriate for audience	1 mark
Use of software features	1 mark for each, up to 4 marks

6 marks

Candidate work includes evidence of use of ICT to search for and organise information

Use of ICT to search for information	up to 3 marks
Use of ICT to organise information	up to 3 marks

6 marks

Candidate demonstrates depth of knowledge of effects of ICT developments on the chosen groups and/or individuals

Depth of knowledge	up to 5 marks

5 marks

Candidate makes informed suggestions how ICT developments will affect chosen groups and/or individuals, based on knowledge of effects of ICT developments

Basic details of future effects on each of the 3 groups   1 mark per group, up to 3 marks

Detailed/contextualised/justified details of future effects   up to 4 marks

7 marks

Candidate evaluates own work and details validated sources of information. Candidate recognises and explores ethical and moral implications of access to ICT

Evaluation of work   3 marks

Sources of information   2 marks

At least one source validated   1 mark

Ethical and moral implications   3 marks

9 marks

Task Three: Newsletter or Brochure (18 Marks)

Candidate produces a simple description of the main purposes of legislation covering working with, and using, ICT

Simple descriptions of main purposes   1 mark for each, up to 5 marks

5 marks

Candidate produces a more detailed description, which includes an explanation of implications for users of implementing the legislation

More detailed descriptions of 3 pieces of legislation   1 mark for each, up to 3 marks

Implications for users explained   1 mark for each, up to 3 marks

6 marks

Candidate produces a detailed and well-structured description which includes details of the sources of information, and validates those as part of a detailed evaluation of the work

Well-structured description   up to 2 marks

Details of sources   1 mark

At least one source validated   1 mark

Detailed evaluation of work   3 marks

7 marks