

New
Specification



Rewarding Learning

ADVANCED SUBSIDIARY (AS)
General Certificate of Education
January 2009

Centre Number

71	
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Candidate Number

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Information and Communication Technology

Assessment Unit AS 1

assessing

Module 1: Components of ICT

[AW111]



MONDAY 12 JANUARY, AFTERNOON

TIME

2 hours.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Write your answers in the spaces provided in this question paper.

Answer **all five** questions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 120 marks including a maximum of 5 for quality of written communication.

Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
QWC	

Total Marks	
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2 The specification for a PC includes 1 GB RAM and 2 MB cache memory.

(a) Describe the purpose of:

RAM _____

_____ [3]

Cache memory _____

_____ [3]

Examiner Only	
Marks	Remark

(b) The PC can be purchased with either a DVD drive or a Blu-ray disc drive.

(i) Explain how data is written to and read from a DVD.

[4]

(ii) Describe one advantage and one disadvantage of using a Blu-ray disc instead of a DVD for watching a movie on the PC.

Advantage _____

Disadvantage _____

[4]

Examiner Only	
Marks	Remark

3 Many small businesses use a LAN.

(a) Identify **three** advantages of replacing standalone computers with a network.

1. _____

2. _____

3. _____

_____ [3]

(b) Describe the main features of a bus/star composite network.

_____ [6]

Examiner Only	
Marks	Remark

(d) Describe the main features of Bluetooth technology.

[4]

Examiner Only	
Marks	Remark

4 Supermarkets make extensive use of ICT.

(a) Describe **two** benefits to a supermarket of using a barcode system.

1. _____

2. _____

_____ [4]

Examiner Only	
Marks	Remark

5 A new information system is being developed.

(a) Describe **two** main costs involved in producing information.

1. _____

2. _____

_____ [4]

Examiner Only	
Marks	Remark

(b) The team developing the system consists of a project manager and a team of programmers.

Describe the main roles of

The project manager _____

A programmer _____

[6]

Examiner Only	
Marks	Remark

