

New  
Specification



Rewarding Learning

ADVANCED SUBSIDIARY (AS)  
General Certificate of Education  
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]



THURSDAY 4 JUNE, 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	

<b>Total Marks</b>	
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(iii) Describe the main features of the following file formats.

RTF \_\_\_\_\_

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JPEG \_\_\_\_\_

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[6]

(c) Describe how e-mail could be used to send a draft of the article to the members of the society.

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[4]

Examiner Only	
Marks	Remark

**2** A golf club maintains details about its members in a database.

Each year, members are requested to update their details by completing a membership renewal form.

Details from these forms are used to update the database.

**(a)** By referring to the membership renewal form, explain what is meant by

A direct data source \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [2]

An indirect data source \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [2]

**(b)** Data verification and data validation are used when the database is updated.

**(i)** Explain the purpose of data verification.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [2]

**(ii)** Explain the purpose of data validation.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [2]

Examiner Only	
Marks	Remark







(ii) Explain what happens during each of the following stages:

Design \_\_\_\_\_

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Implementation \_\_\_\_\_

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Testing \_\_\_\_\_

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[9]

Examiner Only	
Marks	Remark

(c) Documentation is produced for the new system.

(i) Describe **two** reasons why technical documentation is produced.

1. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ [4]

(ii) Identify **three** of the main contents of user documentation.

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

3. \_\_\_\_\_

\_\_\_\_\_ [3]

Examiner Only	
Marks	Remark

4 A family wishes to connect a number of computers to the Internet using a wireless network.

(a) Name and state the purpose of **three** additional resources that will be required **in this case**.

Resource \_\_\_\_\_

Purpose \_\_\_\_\_

\_\_\_\_\_

Resource \_\_\_\_\_

Purpose \_\_\_\_\_

\_\_\_\_\_

Resource \_\_\_\_\_

Purpose \_\_\_\_\_

\_\_\_\_\_ [6]

Examiner Only	
Marks	Remark

(b) Explain what is meant by

An IP address \_\_\_\_\_

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A firewall \_\_\_\_\_

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SMS \_\_\_\_\_

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[12]

Examiner Only	
Marks	Remark

(c) Describe the main features of Bluetooth technology.

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[4]

Examiner Only	
Marks	Remark















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