



Rewarding Learning

ADVANCED SUBSIDIARY (AS)
General Certificate of Education
January 2014

Centre Number

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Candidate Number

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Information and Communication Technology

Assessment Unit AS 1
assessing
Module 1: Components of ICT



[AP111]

AP111

FRIDAY 17 JANUARY, MORNING

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.

Complete in blue or black ink only. **Do not write in pencil or with a gel pen.**

Answer **all five** questions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 120 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.



1 Applicants for house insurance provide information about their property by completing an on-line form.

(a) Explain how this form can be used as:

A direct data source

An indirect data source

[4]

(b) Describe **one** benefit and **one** drawback of using an indirect data source.

Benefit _____

Drawback _____

[4]

Examiner Only	
Marks	Remark



The on-line form includes both data validation and data verification.

- (c) Apart from the use of a check digit, name and describe **three** different types of data validation.

Name _____

Description _____

Name _____

Description _____

Name _____

Description _____

[6]

- (d) Explain the purpose of data verification.

[2]

Examiner Only

Marks

Remark



2 A college lecturer uses an interactive whiteboard to present a lesson to students.

(a) Describe the main features of an interactive whiteboard.

[4]

(b) The lecturer saves a copy of the lesson on a USB memory pen.

Identify **three** features of a memory pen which make it suitable for this purpose.

1. _____

2. _____

3. _____

[3]

Examiner Only	
Marks	Remark

[Turn over



3 Two network topologies are the bus and the star.

(a) Describe how data is transferred on each of these networks.

Bus network

Star network

[6]

Examiner Only	
Marks	Remark



(c) Describe how each of the following are used on a network.

A hub

A proxy server

An IP address

[9]

Examiner Only	
Marks	Remark



(d) Documentation will be produced for the new system.

Describe each of the following:

Technical documentation

User documentation

[6]

Examiner Only	
Marks	Remark



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

Total Marks	
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Examiner Number

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