



Rewarding Learning

ADVANCED SUBSIDIARY (AS)
General Certificate of Education
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]

MONDAY 9 JUNE, AFTERNOON

ML

TIME

2 hours, plus your additional time allowance.

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 six** 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.

1 Many supermarkets use loyalty cards to reward regular customers with special offers.

Customers can apply for a loyalty card by completing an application form.

Details from these forms are keyed into a database.

(a) By referring to the **application form** discussed above, explain what is meant by

A direct data source

An indirect data source

[4]

(b) Describe one benefit and one drawback of using a direct data source.

Benefit _____

Drawback _____

[4]

Examiner Only	
Marks	Remark

3 The internal memory of a computer includes RAM and cache memory.

(a) Explain the purpose of each of the following.

RAM _____

Cache memory _____

[6]

Examiner Only

Marks

Remark

(b) The new software is developed in stages by a number of IT professionals.

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

User requirements stage

Implementation stage

[6]

Examiner Only	
Marks	Remark

(ii) Describe the main responsibilities of each of the following during software development.

The project manager

The end user

[6]

Examiner Only	
Marks	Remark

(b) Explain how each of the following computer viruses can affect a computer system.

A logic bomb

A macro virus

[6]

Examiner Only

Marks

Remark

[Turn over

(c) Describe the main features of a typical disaster recovery plan.

[4]

THIS IS THE END OF THE QUESTION PAPER

Examiner Only

Marks Remark

Total Question 6

Quality of written communication



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For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
6	
QWC	

Total Marks	
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Examiner Number

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