



Rewarding Learning

ADVANCED SUBSIDIARY (AS)  
General Certificate of Education  
2013

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]  
TUESDAY 11 JUNE, AFTERNOON

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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.**  
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.



Look at the sales figures in the spreadsheet below:

Examiner Only	
Marks	Remark

	D	E	F	G
3	Department	Target Sales (£)	Actual Sales (£)	Target achieved?
4	Men	15 000	12 314	N
5	Women	20 000	21 304	Y
6	Children	10 000	10 312	Y
7				
8	Total	45 000	43 930	N

(b) How were the contents of cell **E8** calculated? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

How were the contents of cell **G4** calculated? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

(c) The contents of cell **F4** should be **12341**.

(i) Name and describe the type of error which has occurred.

Name \_\_\_\_\_

Description \_\_\_\_\_

\_\_\_\_\_ [2]

(ii) Explain how verification can be used to detect errors.

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[3]

Examiner Only	
Marks	Remark















4 A company's LAN is connected to the Internet.

(a) Name and describe **two** different types of LAN topology.

Name \_\_\_\_\_

Description \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

Description \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

[6]

8833.05 ML

Examiner Only	
Marks	Remark



(b) Explain the purpose of each of the following network resources.

Switch \_\_\_\_\_

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Proxy server \_\_\_\_\_

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[6]

Examiner Only

Marks	Remark

[Turn over





(d) Give **two** reasons why the company should consider selling its products using the Internet.

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

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

**Examiner Only**

**Marks Remark**

Total Question 4

[Turn over

8833.05 ML

5 An organisation introduces a new database system.

(a) During the development of the system, a feasibility study was carried out.

Explain what is meant by **social feasibility**.

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[3]

(b) Describe what happens during the design stage of an ICT system.

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[6]

Examiner Only	
Marks	Remark



(c) The information system was tested.

Describe the main features of:

Application testing \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Acceptance testing \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

[6]

Examiner Only

Marks

Remark

[Turn over





6 EFTPOS technology is used extensively in supermarkets.

(a) Describe the main features of EFTPOS technology.

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[4]

Examiner Only	
Marks	Remark





**DO NOT WRITE ON THIS PAGE**

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

<b>Total Marks</b>	
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Examiner Number

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