



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: Fundamentals of Information and Communication Technology

[ASW11]



THURSDAY 4 JUNE, AFTERNOON

TIME

1 hour 30 minutes.

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 seven** questions.

INFORMATION FOR CANDIDATES

The total mark for this paper is 90, including a maximum of 4 marks 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	
6	
7	
QWC	

Total
Marks

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Answer **all seven** questions

Examiner Only	
Marks	Remark

1 Members of the public are asked by a shopping centre to complete a questionnaire about their shopping habits.

(a) By referring to the questionnaire, explain what is meant by each of the following.

A direct data source

[2]

An indirect data source

[2]

(b) Describe **four** factors which could affect the quality of information produced from a data source.

1. _____

_____ [2]

2. _____

_____ [2]

3. _____

_____ [2]

4. _____

_____ [2]

Examiner Only	
Marks	Remark

2 A customer withdraws cash from an ATM.

(a) Identify **two** examples from this use of ICT of each of the following.

Input

 [2]

Processing

 [2]

Storage

 [2]

Output

 [2]

(b) Describe **two** examples from this use of ICT of feedback.

1. _____

2. _____

 [4]

Examiner Only	
Marks	Remark

4 Supermarkets make increasing use of ICT for processing sales at checkouts.

Describe the main impact of this use of ICT on:

Checkout operators

[3]

Customers

[3]

Supermarket management

[3]

Examiner Only	
Marks	Remark

5 A teacher uses the Internet to search for information.

(a) Explain how the teacher could use a search engine.

[4]

(b) Describe one other way in which the teacher could use the Internet.

[4]

(c) Describe **two** benefits of using a broadband connection.

1.

2.

[4]

Examiner Only	
Marks	Remark

6 An information system undergoes testing and software maintenance.

(a) Explain what is meant by:

Application testing

[4]

Acceptance testing

[4]

Examiner Only	
Marks	Remark

7 When a large organisation develops a new information system, there are a number of software costs.

(a) Describe **three** different software costs that could be involved.

1. _____

_____ [2]

2. _____

_____ [2]

3. _____

_____ [2]

(b) Describe **two** other main costs which will be involved.

1. _____

_____ [3]

2. _____

_____ [3]

Examiner Only	
Marks	Remark

(c) Name and describe **two** types of documentation produced during the development of an information system.

Name _____

Description

 _____ [3]

Name _____

Description

 _____ [3]

Examiner Only	
Marks	Remark
Quality of written communication	

THIS IS THE END OF THE QUESTION PAPER

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