



Rewarding Learning

ADVANCED
General Certificate of Education
2013

Centre Number

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Candidate Number

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Information and Communication Technology

Assessment Unit A2 1

assessing

Module 3: Information Systems

[AW211]

AW211

MONDAY 3 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.

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

Answer **all seven** 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.





(ii) Describe the Open Systems Interconnection (OSI) model.

[4]

(d) Explain how auditing software is used on a computer network.

[4]

Examiner Only	
Marks	Remark

[Turn over





DO NOT WRITE ON THIS PAGE
(Questions continue overleaf)



2 An organisation develops a new information system using RAD.

(a) Describe how the system could be developed using RAD.

[4]

(b) Name and describe one other method which could be used to develop this system.

Name _____

Description _____

[4]

Examiner Only	
Marks	Remark



(c) CASE tools can be used during system development. Name and describe **three** CASE tools used during system development.

Name _____

Description _____

Name _____

Description _____

Name _____

Description _____

_____ [9]

Examiner Only

Marks

Remark

Total Question 2

[Turn over





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[Turn over



(b) Produce an Entity Relationship Model, which does not include a many-to-many relationship, for this invoice.

Examiner Only	
Marks	Remark

[7]

[Turn over



(d) The retailer uses an expert system for planning deliveries to customers.

Name and describe **three** main components of an expert system.

Name _____

Description _____

Name _____

Description _____

Name _____

Description _____

_____ [9]

Examiner Only

Marks	Remark
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Total Question 6	

[Turn over



7 (a) Explain how developments in ICT have enabled employees to work from home.

[5]

Examiner Only	
Marks	Remark



DO NOT WRITE ON THIS PAGE

For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	
QWC	

Total Marks	
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Examiner Number

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