



Rewarding Learning

ADVANCED
General Certificate of Education
2014

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

[AP211]

MONDAY 2 JUNE, MORNING

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 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.



DO NOT WRITE ON THIS PAGE
(Questions continue overleaf)

(b) Three of the entities in the database are BOOK, AUTHOR and AGENT.

- Each book can have one or more authors
- An author can write multiple books
- Each agent represents a number of authors
- No author is represented by more than one agent

Draw an entity relationship (ER) diagram for these entities in the space below. Make sure that it does not contain a many-to-many relationship.

Examiner Only	
Marks	Remark

[7]



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(Questions continue overleaf)

The new system undergoes testing and maintenance.

(c) Explain what is meant by each of the following:

Alpha testing _____

Acceptance testing _____

[6]

Examiner Only	
Marks	Remark



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(Questions continue overleaf)



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(c) An on-line training course is available for end users.

Describe how ICT can be used to provide on-line training.

[4]

Examiner Only	
Marks	Remark
Total Question 6	

[Turn over



THIS IS THE END OF THE QUESTION PAPER

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

Examiner Number

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