



Rewarding Learning

ADVANCED
General Certificate of Education
January 2011

Information and Communication Technology

Assessment Unit A2 1
assessing

Module 3: Information Systems
[AW211]

WEDNESDAY 26 JANUARY, AFTERNOON

Centre Number

71

Candidate Number



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.
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.

For Examiner's
use only

| Question Number | Marks |
|-----------------|-------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| QWC | |

Total
Marks



6533

(ii) Describe **two** ways in which technical documentation can be used during software maintenance.

1. _____

2. _____

_____ [6]

| Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |

3. _____

_____ [6]

End users are involved during the analysis stage.

(c) Describe how end users are involved during other stages of the waterfall model.

_____ [6]

| Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |

(b) The manufacturing sector makes extensive use of CAD and CAM.

Describe the main features of each of the following.

CAD _____

CAM _____

[8]

| Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |

5 (a) Describe **three** health issues which can arise from working with ICT and explain how each can be minimised.

1. _____

2. _____

3. _____

_____ [9]

| Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |

6 A company has a chain of bookshops throughout the country.

The company has recently started to sell books on its web site.

(a) Describe **two** benefits to the company of using the Internet to sell books.

1. _____

2. _____

[4]

(b) Describe **two** reasons why a customer might still prefer to buy a book from a bookshop.

1. _____

2. _____

[4]

| Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |

(c) The company uses a database to store data about orders.

- Customers can make multiple orders
- Each order can refer to a number of books
- A book has only one publisher

Draw an entity relationship (ER) diagram for this system which does not contain a many to many relationship.

| Examiner Only | |
|---------------|--------|
| Marks | Remark |
| | |

[9]

