OCR

RECOGNISING ACHIEVEMENT

ADVANCED SUBSIDIARY GCE UNIT **G041**

APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

Unit 2: How Organisations Use ICT

TUESDAY 22 MAY 2007   Morning

Time: 1 hour 30 minutes

Additional materials:
  Pre-release materials and tasks with candidate instructions
  Candidate's pre-prepared materials

Candidate Name	

Centre Number					

Candidate Number				

INSTRUCTIONS TO CANDIDATES

- Write your name, Centre number and Candidate number in the boxes above.
- Answer **all** the questions.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- Do **not** write in the bar code.
- Do **not** write outside the box bordering each page.
- WRITE YOUR ANSWER TO EACH QUESTION IN THE SPACE PROVIDED. ANSWERS WRITTEN ELSEWHERE WILL NOT BE MARKED.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is 100.
- No marks will be awarded for using brand names of software packages or hardware.

FOR EXAMINER'S USE		MAX
Task 2		15
Task 3		15
1		5
2		5
3		4
4		15
5		10
6		11
7		5
8		8
9		7
TOTAL		100

This document consists of **9** printed pages, **3** blank pages and an insert.

2

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Section A

This section relates to the case study on Keep Fit Sports Centre (KFSC).

1 Lifeguard is one job function within KFSC.

Identify **one** other job function **outside** of the main office and describe **four** tasks carried out.

Job function ....

Task 1 ....

....

Task 2 ....

....

Task 3 ....

....

Task 4 ....

.... [5]

2 Describe the role of the Sports Manager at KFSC.

....

....

....

....

....

....

....

....

....

.... [5]

[Turn over

3 Members are the main type of customer of KFSC.

Describe the method used to collect information about members and the types of information collected.

Method ....

....

....

Information ....

....

....

.... [4]

4 Producing monthly accounts for members is an important process for KFSC. Each member has a unique membership number which is used to access their account details.

(a) (i) Identify **two** items of information about **bookings** that are required to produce the members' accounts.

Item 1 ....

Item 2 .... [2]

(ii) Explain how the information about bookings is first collected and input.

....

....

....

....

....

....

....

.... [4]

(b) Describe the **processing** and **calculations** carried out by the member accounts system.

....

....

....

....

....

.... [3]

(c) Describe the **two** outputs from the member accounts system.

Output 1 ....

....

....

....

Output 2 ....

....

....

....

.... [6]

[Turn over

5 Describe the ICT system used in the shop. You should include details of the hardware and software used, examples of input data and outputs, and the processes carried out.

Hardware ....

....

....

....

Software ....

....

....

....

Input data ....

....

....

....

Outputs ....

....

....

....

Processes ....

....

....

.... [10]

6 The Centre Manager wants to improve the systems for checking in members and monitoring their use of facilities.

(a) Explain **one** strength of the current check-in and monitoring systems.

....

....

.... [2]

(b) Explain **two** weaknesses of the current check-in and monitoring systems.

Weakness 1 ....

....

....

Weakness 2 ....

....

.... [4]

(c) To improve the systems currently used, the Centre Manager must overcome weaknesses in the current systems.

(i) Explain **one** way the check-in and monitoring systems could be improved.

....

....

....

.... [2]

(ii) Explain **one** benefit this improvement would bring.

....

....

....

.... [2]

(iii) Identify **one** problem associated with this improvement that may need to be overcome.

....

.... [1]

[Turn over

8

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Section B

You do not need the case study or your notes to answer these questions.

7   A mail order computer components supplier uses a sales order processing system.

   (a) Identify **two** items of information about goods that will be entered.

   Item 1 ....

   Item 2 .... [2]

   (b) Explain how the system produces an invoice for the goods ordered.

   ....

   ....

   ....

   ....

   ....

   .... [3]

8   Organisations increasingly use email to communicate.

   Describe **two** possible uses of email by an organisation and **two** problems that could arise.

   Use 1 ....

   ....

   ....

   Use 2 ....

   ....

   ....

   Problem 1 ....

   ....

   ....

   Problem 2 ....

   ....

   .... [8]

[Turn over

9 The car industry now makes extensive use of robotics.

(a) Identify **one** task for which robotics are used in the car industry.

....

.... [1]

(b) Explain **two** advantages to the **car manufacturers** of using robotics.

Advantage 1 ....

....

....

....

Advantage 2 ....

....

....

.... [4]

(c) Explain **one** disadvantage to the **car manufacturers** of using robotics.

Disadvantage ....

....

....

.... [2]

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