

Monday 23 January 2012 – Afternoon

A2 GCE APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

G054/01 Software Development

Candidates answer on the Question Paper.

OCR supplied materials:

- Instructions for Candidates G054/01/IC (inserted)

Other materials required:

- Candidate's pre-prepared materials for pre-release tasks 1, 2, 3 and 4.

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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INSTRUCTIONS TO CANDIDATES

- The Insert will be found in the centre of this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the bar codes.
- Attach your pre-prepared materials for tasks 1-4.

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.
- The quality of your written communication will be assessed through Q6 and Q13.
- This document consists of **12** pages. Any blank pages are indicated.

For Examiner's Use		Max
Task 2		15
Task 3		10
Task 4		5
1		4
2		2
3		8
4		6
5		4
6		12
7		4
8		4
9		6
10		3
11		6
12		4
13		7
Total		100

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Section A

This section relates to the case study on The Corner Shop.

- 1** One of the purposes of the new system for The Corner Shop is to solve the problems caused by the current system.

Describe **two** other purposes of the new system.

1

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2

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..... [4]

- 2** Part of the feasibility study is to define user requirements.

Describe the user requirement that has been defined by the accounts staff.

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..... [2]

3 Functional and non-functional requirements are investigated by the analyst during the feasibility study.

Describe **two** functional requirements that have been defined by each of the following:

(a) the warehouse manager

1

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2

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..... [4]

(b) the administration staff

1

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2

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..... [4]

4 The user will define process constraints which should be considered during the feasibility study.

(a) Describe the defined hardware constraint that relates to the owner.

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..... [2]

(b) (i) Identify **one** other process constraint, apart from software and hardware, that has been defined by The Corner Shop.

..... [1]

(ii) Describe how this has been defined by The Corner Shop.

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..... [3]

5 Identify and explain **one** problem caused by the current system which relates to the shop managers.

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..... [4]

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..... [12]

7 During the feasibility study the processes carried out in the warehouse could be observed.
Describe **one** advantage and **one** disadvantage of using observations as an investigation method.

Advantage

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Disadvantage

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..... [4]

8 The increased security of the data and information held on the computers at The Corner Shop has been defined as one of the user requirements.

Identify and explain **two** physical security measures that could be used by The Corner Shop.

1

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2

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..... [4]

SECTION B

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

10 During the design of a new system a physical design specification is developed.

Identify **three** components of the software specification part of the physical design specification.

- 1
- 2
- 3 [3]

11 Following the development and implementation of a new system, documentation is passed to the user. One set of documentation is the test plans, data and logs.

(i) Describe how this documentation could be used.

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- [4]

(ii) Explain why this documentation should be passed to the end-user of a system.

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- [2]

11
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