

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										



General Certificate of Education  
Advanced Level Examination  
June 2013

# Information and Communication Technology **INFO3**

## Unit 3 The Use of ICT in the Digital World

**Tuesday 11 June 2013 1.30 pm to 3.30 pm**

**For this paper you must have:**

- a clean copy of the Candidate Booklet (enclosed for you to use when answering questions in Section A).

**Time allowed**

- 2 hours

**Instructions**

- Use black ink or black ball-point pen. Use pencil only for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

**Information**

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 100.
- Question 9 should be answered in continuous prose.  
In this question you will be marked on your ability to:
  - use good English
  - organise information clearly
  - use specialist vocabulary where appropriate.

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
<b>TOTAL</b>	



J U N 1 3 I N F 0 3 0 1

M/Jun13/INFO3

**INFO3**

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**Section A**

Answer **all** questions in the spaces provided.

- 1** Alisha Khan, Redfield's Chief Information Officer (CIO), states that emerging technology is an important factor to consider when developing an ICT strategy.

Describe possible **disadvantages** to an organisation that uses emerging ICT technology as the driving factor in developing an ICT strategy.

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(4 marks)

4
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Turn over ►



Describe the security measures that should be considered by Redfield Football Club to maintain the privacy and security of its customer data.

[illegible]

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12

**Turn over ►**



Compare the two changeover methods being considered and justify the option you consider most appropriate for Redfield Football Club.

[illegible]

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(8 marks)

8

**Turn over for the next question**

**Turn over ►**



- A Customer Relationship Management (CRM) system
- Social Networking

This image shows a full page of white paper with horizontal dashed lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



*(15 marks)*

15



Discuss the advantages to both Redfield Football Club and its supporters of offering online purchasing.

[illegible]

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(9 marks)

9

**Turn over for the next question**

**Turn over ►**



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ANSWER IN THE SPACES PROVIDED**



**Section B**

Answer **all** questions in the spaces provided.

- 6** The table below contains descriptions of four testing techniques.

Complete the table below by naming the testing technique for each description.

Description of testing technique	Name of testing technique
Testing a system or a network to assess its performance with large amounts of data.	
Testing using a different type, version or release of PC software or hardware from the ones used for development.	
Software which automates testing and enables repetitive testing to occur with minimal programmer involvement.	
Involves having pre-set files, inputs and accepted results. This enables testing of new versions of systems to be repeated using the same files and input, thereby avoiding the need to devise a new test each time a change is made.	

(4 marks)

4
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**Turn over for the next question**

**Turn over ►**



Discuss the benefits and drawbacks of using outsourced ICT services rather than an internal ICT department in terms of cost, flexibility and management.

[illegible]

This image shows a full page of primary-ruled paper. It features multiple sets of horizontal dashed lines spaced evenly down the page, providing a guide for handwriting practice. The background is white, and there are no margins or other markings present.

13

Explain what an organisation should consider to prepare for a possible disaster and what recovery options may be available to it.

[illegible]



[illegible]

15

- 9** By 2015 it is expected that broadband speeds will be many times faster than existing broadband speeds.

Discuss the impacts these faster broadband speeds are likely to have on individuals, organisations and society.

In this question you will be marked on your ability to use good English, to organise information clearly and to use specialist vocabulary where appropriate.

*This space is available for planning your answer, if you wish to use it. (20 marks)*

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[illegible]

A large rectangular box containing 20 horizontal dotted lines for writing.



Handwriting practice area with 20 horizontal dotted lines.

Turn over ►



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20



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