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 Exam	iner's Use
Examine	r's Initials
Question	Mark
1	
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8	
9	
TOTAL	

There are no questions printed on this page	



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.
	(4 marks)
	(+ mans)

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



 (12 marks)

Turn over for the next question



3	Alisha Khan is concerned about the introduction of automated turnstiles and the type of changeover method to use.
	Compare the two changeover methods being considered and justify the option you consider most appropriate for Redfield Football Club.



(8 marks)

Turn over for the next question



Explain, using examples, how the following could be used by Redfield Football Club:
 A Customer Relationship Management (CRM) system Social Networking
Coolar Networking



(15 marks)

Turn over for the next question

Turn over ▶



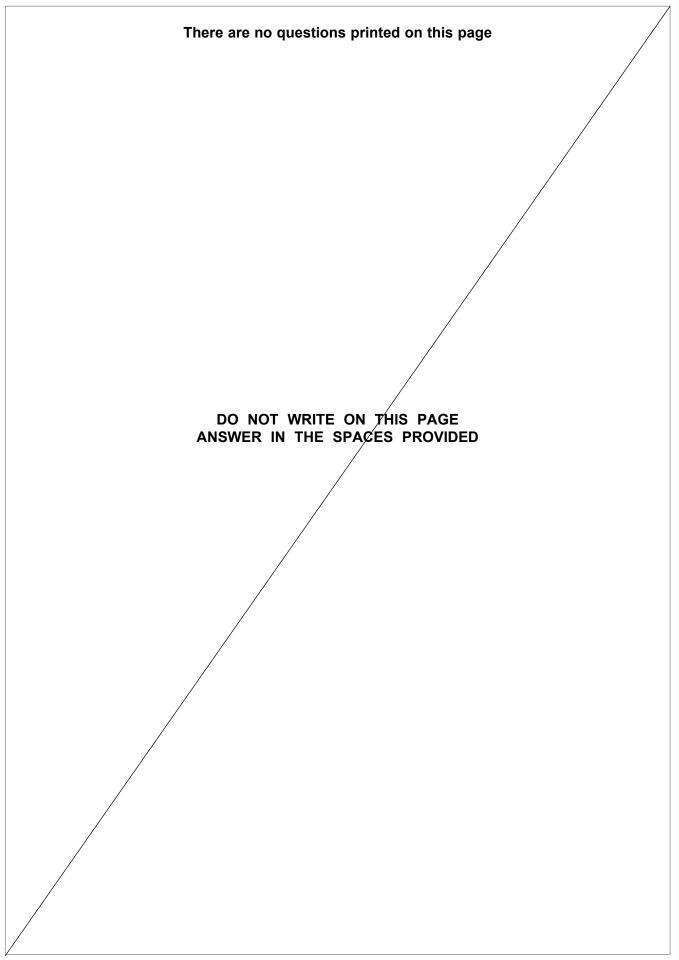
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(9 marks)
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Section B

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)

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Turn over for the next question





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	ICT departme					



(13 marks)



8	All organisations operating large scale systems need to be prepared in case a disaster occurs.	
	Explain what an organisation should consider to prepare for a possible disaster and what recovery options may be available to it.	



 (15 marks)



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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END OF QUESTIONS



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