## PLEASE NOTE THAT THIS VERSION WAS UPDATED 27/06/06 AND SUPERCEDES ANY PREVIOUS VERSION.

Centre Number	Candidate Number	Name

## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Advanced Level

## APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/03

Paper 3

For Examination from 2008

Specimen Paper

1 hour and 15 minutes

Candidates answer on the Question Paper. No additional materials are required.

## **READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name on all the work you hand in. Write in dark blue or black pen.

Do not use staples, paper clips, highlighters, glue or correction fluid.

You may use a pencil for any diagrams, graphs or rough working.

Answer all questions.

The number of marks is given in brackets [ ] at the end of each question or part question.

1

Mr George owns a number of garages that sell and service luxury cars. He is looking for ways to use ICT to improve the way the businesses operate and also make a profit.
Mr George wants to improve the servicing of cars.
(a) Describe <b>one</b> ICT device for the receptionist to register a customer bringing a car in for service.
[2]
(b) Describe how a customer could use the Internet to book their car into a garage for servicing.
[2]
(c) An expert system can be used to help diagnose a fault in a car during the service. Describe how the use of an expert system can have advantages and disadvantages for the company.
[6]

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(a)	Describe how this driving simulator could affect both customers and the gara company.
(b)	The software for the simulator will be purpose built. Explain what is meant by this ter

3

Lar	ge supermarkets are being built in countries all over the world.
(a)	Describe how stock control in a supermarket can be processed using a computer system.
	[4]
(b)	Explain how a 'Just in Time' system could be used by supermarkets for obtaining goods from their suppliers. You should include an evaluation of the effects on the company.
	[6]

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	mpanies, such as banks, are setting up Call Centres in the Far East to provide support to tomers in the West.
(a)	Describe how a computer based system, such as a bank enquiry help desk, can support a telephone call centre operator when dealing with a customer's telephone call.
	[4]
(b)	Describe some of the effects on the individual and society a company of having call centres in the Far East.
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5	Local Government offices are to have their LANs linked to form a WAN. Explain what is meant by these terms and discuss the hardware and software that would be required.
	[6]

6

	bank is required to employ more disabled computer operators. This requires a new imputer system for the processing of transactions.
(a)	Explain <b>three</b> features of the new system must be in the systems specification.
	[6]
(b)	[0]
	Discuss the implications of the use of ICT in an anti social manner for disabled and other people who work from home.
	other people who work from home.
	other people who work from home.
	other people who work from home.
	other people who work from home.
	other people who work from home.

		ining before they can u ystems that can be use		Describe the benefits of
				[4]
	***************************************			[4]
7	Many companies use that is being develope		their business. Ma	rket Research is one area
	Describe <b>two</b> ways th product using the Wor		company to research	the market for a planned
				ro1
	•••••			[6]

8	Many people buy items using the World Wide Web. They can buy from shops or auction sites.
	Discuss the advantages and disadvantages for someone shopping in this way.
	[6]

	ere are divides between various groups in the world. There are those who have access CT and those who do not - this is called the digital divide.
(a)	Describe a range of reasons to show how ICT can enable a physically disabled person to live a fuller life and join society.
	[4]
	[7]
(b)	Local Governments can use the World Wide Web to interact with its clients such as disabled citizens. Explain how Local Government could use ICT with its stakeholders.
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