

LONDON CAPITAL COMPUTER COLLEGE

Certificate in Information Systems (102) – Introduction to Computers

Aim: The course aim to give candidates an understanding of the technical background to the use of computers in today's world; addressing fundamental areas of computer hardware and software, information, communications, internet and technology concepts. Required Materials: Recommended Learning Resources. Special Requirements: None Intended Learning Outcomes: 1 Describe why computers are important in todays' world. What exactly is a computer, and what are its main functions. Special Requirements: 2 Describe world. What exactly is a computer, and what are its main functions. Septiment Criteria: 1.1 Define the difference between data and information in formation in todays' world. What exactly is a computer, and what are its main functions. Septiment Criteria: 1.1 Define bits and bytes, and how are they measured 1.2 Explore what hardware a computer use to perform its functions 1.4 Analyse the two main types of software found in a computer 1.5 Identify the different kinds of computers available 2.1 Analyse devices that make up a computer computer system 3.1 Define e-commerce 2.2 Explain the components inside the computer savailable 2.1 Analyse devices that make up a computer computer system 3.1 Define e-commerce 3.2 Define e-commerce 3.3 Define e-Commerce. What is an Internet Service Provider. Describe the various kinds of multimedia files found on the Web and the software needed to use them 3. Define e-Commerce 4. Define Application Software. Describe the difference between application software and system software 4. Define Application Software. Describe the difference between application software and system software 4.1 Define the different kinds of multimedia software 4.2 Define the different types of centertainment software 4.3 Analyse the different kinds of operating systems 5 Define System Software, including the Operating System, Utility Programs, and File Management 5 Define System Software, including the Operating System, Utility Programs, and File Management 5 Define the differe	Prerequisites: None	Corequisites: GCSE qualification.
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		5.5	provides a means for users to interact with the computer Explain how the operating system help manage the processor
		5.6	Illustrate how the operating system manages memory and storage
		5.7	Explore how the operating system manages hardware and peripheral devices
		5.8	Demonstrate how the operating system interacts with application software
		5.9	Explain how the operating system helps the computer start up
		5.10	Define the main desktop and window features
		5.11	Define utility programs
6 hardwa	Describe the operations of computer re.	6.1	Analyse what the CPU does, and how a user can evaluate its performance
		6.2	Identify how memory works in a computer
		6.3	Explain the computer's main storage devices
		6.4	Analyse the components that affect the output of video on the computer
		6.5	Identify the components that affect computer's sound quality
		6.6	Identify the ports available on desktop computers
		6.7	Identify how to ensure the reliability on a system
7	Define Networking. Describe network	7.1	Define a network, and what are the advantages of setting up one
security. Illustrate why wireless networks more vulnerable than wired networks, and what special precautions are required to ensure my wireless		7.2	Identify the differences between a client/server network and a peer-to-peer network
networ	k is secure	7.3	Explain the main components of a network
		7.4	Analyse a wired Ethernet network, and how is it created
		7.5	Analyse wireless Ethernet networks, and how are they created
		7.6	Explain how hackers attack a network, and what harm can they cause
		7.7	Analyse a firewall, and how does it keep computers safe from hackers
8	Define mobile computing.	8.1	Identify the various mobile computing devices
		8.2	Define the advantages and limitations of mobile computing.
9	Describe health and safety issues using	9.1	Identify cyber-crime motives and profiles
IT.		9.2	Analyse the impacts of an attack
		9.3	Explore the various types of attacks
		9.4	Analyse the procedures of protecting
		9.5	corporate/network assets Analyse the general rules for
			communicating effectively and
			professionally over the internet

Recommended Learning Resources: Introduction to Computers

	introduction to computers
Text Books	 Introduction to Computers and Information Systems: The Internet Edition. ISBN-10: 0130962538 Basic for Introductory Computing by Larry E. Long. ISBN-10: 0131706063 Computers by Larry Long, Nancy Long Larry E. Long ISBN-10: 0130962538
Study Manuals	
	BCE produced study packs
CD ROM	Power-point slides
٥	
Software	None