KASNEB

CICT PART I SECTION 1

INTRODUCTION TO COMPUTING

FRII	DAY: 2	Time Allowed: 3 hours.		
Ansv	ver AL	L questions. Marks allocated to each question are shown at the end of the questi	on.	
-	STIO	NONE		
(a)	(i)	Convert 321 ₈ to its binary equivalent.	(2 marks)	
	(ii)	Subtract 1100 ₂ from 10011 ₂ .	(2 marks)	
	(iii)	Using two's complement, calculate:		
		27_{10} - 5_{10} in binary system.	(3 marks)	
(b)	Diffe	erentiate the following terms:	.s.com	
	(i)	"Data" and "information".	(2 marks)	
	(ii)	"Program" and "software".	(2 marks)	
(c)		g an example of areas where they are used, describe three scanning input devices.	(9 marks) (Total: 20 marks)	
As t	ne info	N TWO promation communication technician in your organisation you have been charged information communication technology facilities including hardware and software		
Requ (a)	ired: Defin	ne the term "operating system".	(2 marks)	
(b)	Desci	ribe five functions of an operating system	(10 marks)	
(c)	Discuss four factors that you would consider when selecting an operating system for the organisation. (8 marks) (Total: 20 marks)			
QUE (a)		N THREE ain the following characteristics of a computer file:		
	(i)	Volatility.	(2 marks)	
	(ii)	Growth.	(2 marks)	
(b)		has a computer which is currently installed with Microsoft windows XP.	She would like to migrate to	
	Requi Descr	ired: ribe two installation methods that could be used when performing the migration from	n windows XP to windows 10. (6 marks)	
(c)		assembling her computer for the first time, Martha received a POST error message off from the system.	indicating that power had to be	
	Clearl	ly guide her on the troubleshooting routine to help her diagnose the possible defect age.	ts or faults resulting in the error (10 marks) (Total: 20 marks)	

CT11 Page 1 Out of 2

QUES (a)	STION The Ir	FOUR nternet provides opportunities galore, and can be used for a variety of things.		
	Requi	red: Discuss five uses of the Internet.	(10 marks)	
	(ii)	Explain three disadvantages of the Internet.	(6 marks)	
(b)	Citing	g an example in each case, explain the following types of application software:	(2 marks)	
	(i)	Personal information manager.	(2 marks)	
	(ii)	Project management software.	(Total: 20 marks)	
QUI (a)	ESTIO! Write	N FIVE e truth tables for the following:	(4 marks)	
	(i)	Conditional "ifthen".	·	
	(ii)	$P\lor(p\land q)$ statement.	(4 marks)	
(b)	Sum	marise three reasons why you might require to dual-boot your computer.	(6 marks)	
(c)	Diffe	Differentiate between the following computer printing concepts:		
	(i)	"Impact" and "non-impact" printers.	(2 marks)	
	(ii)	"Dot-matrix" and "line" printers.	(2 marks)	
	(iii)	"Laser" and "thermal" printers.	(2 marks) (Total: 20 marks)	
		Conditional "ifthen". PV(p/q) statement. marise three reasons why you might require to dual-boot your computer. erentiate between the following computer printing concepts: "Impact" and "non-impact" printers. "Dot-matrix" and "line" printers. "Laser" and "thermal" printers.	•••••	