C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name: Computer Basics & Organization

	Subject Code: 4CS01BCB1			Brancl	Branch: B. C. A.			
	Semester	r: 1 Date	: 30/11/2018	Time:	02:30	To 05:30	Marks : 70	
	(2) I (3) I	ons: Use of Programmal Instructions written Draw neat diagram Assume suitable da	on main answer b s and figures (if ne	ook are strict	ly to be	obeyed.	prohibited.	
Q-1		Attempt the foll	owing questions:					(14)
	a)	What is plotter?						
	b)	OCR stands for _	·					
	c)	Binary number co	ontains and	.•				
	d)	RAM stands for						
	e)	MICR stands fo	r					
	f)	List out types of	operating system.					
	g)	1024 bytes =	MB.					
	h)	CD stands for	·					
	i)	What is the differ	ence between com	piler and inte	rpreter	?		
	j)	What is operating	g system?					
	k)	GPS stands for						
	l)	Give Difference	between analog an	d digital com	puters.			
	m)	OMR stands for	·					
	n)	LED stands for _	·					
Atte	empt any f	four questions fro	m Q-2 to Q-8					
Q-2	1	Attempt all ques	stions					
	a)	Explain Types of	ROM.					(07)
	b)	Explain types of	Printer.					(07)
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Q-3		Attempt all questions				
	a)	Explain OR gate.	(04)			
	b)	Explain Magnetic Tape.	(05)			
	c)	Explain half adder with its diagram	(05)			
Q-4		Attempt all questions				
	a)	$(75)_{10} = (?)_2.$	(04)			
	b)	2's complement: 10110 =?	(05)			
	c)	What is Bus? Explain Bus types.	(05)			
Q-5		Attempt all questions				
	a)	Explain Data Transmission mode.	(04)			
	b)	$(258)_8 = (?)_{10}.$	(05)			
	c)	Explain 4 to 1 line multiplexer with diagram.	(05)			
Q-6		Attempt all questions				
	a)	Explain Stack Organization.	(07)			
	b)	Explain Input Devices (any 05).	(07)			
Q-7		Attempt all questions				
	a)	Explain Compiler.	(04)			
	b)	What is Port? Explain types of Port available in computer.	(05)			
	c)	Explain computer characteristics.	(05)			
Q-8		Attempt all questions				
	a)	Explain generations of computer with its advantages and disadvantages.	(07)			
	b)	Explain block diagram of computer.	(07)			

