Enrollment No: _____ Exam Seat No: _____ C.U.SHAH UNIVERSITY **Summer Examination-2018**

Subject Name: Computer Basics & Organization

	Subject	Code: 4CS01ICO2	B	ranch: B.Sc.I.T.			
	Semeste	r: 1 Date: 23/03/2	018 T i	ime: 02:30 To 05:30	Marks: 70		
	 Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed. 						
Q-1		Attempt the following qu	iestions:			(14)	
	a)	LED stands for					
	b)	1024 byte =					
	c)	OMR stands for					
	d)	What is the difference bet	ween compiler and	d interpreter?			
	e)	MICR stands for					
	f)	List out types of operating	g system.				
	g)	BCR stands for					
	h)	GPS stands for					
	i)	RAM stands for	·				
	j)	What is Operating System	1?				
	k)	CD stands for					
	l)	Give Difference between	analog and digital	computers.			
	m)	Binary number contains _	_ and				
	n)	What is plotter?					
Atte	mpt any	four questions from Q-2 to) Q-8				
Q-2		Attempt all questions					
	a)	Explain block diagram of	computer.			(07)	
	b)	Explain Input Devices.				(07)	



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)	Explain Compiler.	(04)		
	b)	$(258)_8 = (?)_{10}.$	(05)		
	c)	Explain 4 to 1 line multiplexer with diagram.	(05)		
Q-5		Attempt all questions			
	a)	Explain Data Transmission mode.	(04)		
	b)	2's complement: 10110 =?	(05)		
	c)	What is Bus? Explain Bus types.	(05)		
Q-6		Attempt all questions			
	a)	Explain generations of computer with its advantages and disadvantages.	(07)		
	b)	Explain various types of Printers.	(07)		
Q-7		Attempt all questions			
	a)	$(75)_{10} = (?)_2.$	(04)		
	b)	What is Port? Explain types of Port available in computer.	(05)		
	c)	Explain Time Sharing Operating System.	(05)		
Q-8		Attempt all questions			
	a)	Explain Stack Organization.	(07)		
	b)	Explain various types of Operating Systems in detail.	(07)		

