## 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	<b>018 T</b> i	ime: 02:30 To 05:30	Marks: 70		
	<ul> <li>Instructions:</li> <li>(1) Use of Programmable calculator &amp; any other electronic instrument is prohibited.</li> <li>(2) Instructions written on main answer book are strictly to be obeyed.</li> <li>(3) Draw neat diagrams and figures (if necessary) at right places.</li> <li>(4) Assume suitable data if needed.</li> </ul>						
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	) <b>Q-8</b>				
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)		

