

R	leg	g. No:													
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR															
		БТ	Faah I		r 60	maat	`	TON			amir	otion	o luby	2022	
		D. I	lechi									OLLE	is July RS	-2022	
								on to C							
Time: 3 hours											Max. Ma	Max. Marks: 60			
(Answer all Five Units $5 \times 12 = 60$ Marks) UNIT-I															
1	a	a Define microprocessor. Explain the brief history of evolution of μP .											L1	6M	
	b	b Draw the block diagram of microcomputer and explain function of each block.											K. L2	6M	
2	OR With a neat sketch explain any example of a microcomputer system.												T 1	12M	
2	UNIT-II											L1	1211		
3		a Explain briefly the control & status signals in 8085μ P.											L2	6M	
	b	b Define and explain the different types of interrupts available in 8085 μ P. OR										L2	6M		
4	a	Define in	structi	on.										L1	2M
	b	Explain the instruction, data formats & data storage in 8085 μP. UNIT-III											L2	10M	
5	W	ith the hel	lp of a	neat b	olock	diagra	m, Ex	plain	the in	ternal	archit	ecture	of 805	1 L2	12M
microcontroller in detail.															
								OI							
6		Define co												L2	6M
	b	Describe	the op	eration	n of tii	ners p	resent	t in 80 UNIT	51μC. ζ -IV					L2	6M
7	a	Define ad	ldressi	ng mo	de.									L1	2M
	b	List vario			g mod	les of	8051 1	nicroc	control	ller an	d expl	ain the	em with	n L4	10M
		an examp	le eacl	h.					•						
8	a	Write an a	asseml	bly pro	ogram	of 80:	51 µC	OI to div		vo 8-bi	it num	bers a	nd store	e L2	6M
	_	the result in a memory location.													
	b	b Write an assembly program of 8051 μ C to subtract two 8-bit numbers and store the result in a memory location.												L2	6M
		store the l		in a m	emory	locali	011.	UNI	Г-V						
9	а	a Define Interrupt and classify the interrupts.												L1	6M
-	b Explain multiple interrupts present in 8051μ C.												L2	6M	
		-	÷			-		O							
10	D	esign and e	explair	n any r	nicroc	ontrol	ler-ba	sed sy	stem.					L4	12M

*** END ***