Reg.	No:														
SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR															
D T	(AUTONOMOUS) R Teah III Year II Semester Regular & Supplementary Exeminations October 2020														
В.І	ech III	Year I	I Sem	ester ROPI	Reg	ular a	k Sup		entar	Y EXA	amina	ations (TPS	Uctobe	r-2020	
			MIC	KUL	(Con	1mon 1	to EEI	E ECF	E & C	SE)	ULLI	LIND			
Time:	Time: 3 hours Max. Marks: 60														
				(A	nswer	all Fiv	ve Uni	its 5 x	12 = 0	50 Ma	rks)				
	UNIT-I														
1	a Illustrate neat block diagram of 8085 microprocessor and explain its internal													8M	
	b Draw and explain the flag register of 8085 microprocessor														
	OR														
2	Draw the pin diagram of 8085 μ P and explain the functionality of each pin.													12M	
3	Explain the functionality of pins used in the following modes of $8086 \mu P$													6 M	
-	a Minimum mode.													-	
	b Maximum mode.														
							0	R							
4	a Me	ntion th	e impo	ortance	e for n	nemor	y segi	nentat	ion.					6M	
	b Explain the memory segmentation of 8086 μ P.													6M	
_	UNIT-III														
5	a Define counter. Mention the applications of counter.													6M	
	b Describe the operation of timers present in $8051 \ \mu\text{C}$.														
6	a Me	ntion th	e imp	ortance	e of I/	0 nort	in a i	n Poru	IC					3M	
U	b Des	scribe th	ne func	tional	ity of	I/O po	orts pr	esent i	n 805	1 uC				9M	
					5	1	UNI	T-IV		•					
7	a Explain how the 8051 µC performs rotate and swap operations with an example											xample.	8 M		
	b Explain how the ISR is implemented with an example.												Ĩ	4 M	
							0	R							
8	a Describe the operation of return instruction in 8051 μ C with suitable example.											mple.	6M		
	b Exp	plain the	e arithi	netic	Instru	ctions	of 805	51 µC	with a	in exa	mple			6M	
							UNI	[T-V							
9	a Draw and explain briefly SCON SFR in 8051 μ C											6M			
	D Explain the various modes of operation w.r.t serial port in 8051 μ C.													6M	
10	Decio	n and er	nlain	anv m	icrocc	ntroll	U er-bao	ed svo	tem w	ith and	itabla	evampl	20	1 2 1/	
10	Design		prant	any 111		muOII	c1-0a5	cu sys	will w	iui sul	aute	example	00	14111	

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