Duration Three Hours			ee Hours					Total mar	'KS 8U
N.B.		[i] Question No 1 is compulsory and attempts any three out of refive questions.						ny three out of remaining	•
		[ii] [iii]		suitable da to the right				By Ber Flee	
1.		Solve	any four			STATE OF THE STATE	A		
	(a)						7 200 30	5	
	(b)							ndary memory	35
	(c)							5	
	(d)	d) Explain the need of Watch Dog Timer and Brown Out Detection feature used in the microcontrollers						5	
	(e)			ng ARM7 in ,R2,R3,LSL		s		STAN SERVER SERVER	5
		>	CMP R0	,R1,LSR#7	Ź				
		OFFE				8			
2.	(a)	micro	processor	V , —	T to exe	~() =		eration carried out by the ored in a memory. Assume	
	(b)	Expla	in concept	of Virtual N	Memory v	with Memo	ory Mana	agement Unit.	10
3.	(a)) Evnla	in Interrun	t structure c	of 8051 m	nicrocontro	iller	BY BY	10
37.0	(b)	Descr	ibe the fea		M proces	ssor. Also	explain `	Which features are accepted	
		£ '					T.		
4	(a)	seriall	//\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		_			afer message "MAY 2023" 8051 operate at frequency	
	(b)	Expla	in differen	ce between	Timer &	Counter o	f 8051. I	Explain all timer modes.	10
5.	(a)	What	is significa	ance of CPS	R registe	r of ARM'	? Draw a	and explain each bit position	10
	(b)	port 1	. Select p	proper delay	y so that	the blinki	ng is cle	ng all 8 LEDs connected to early seen. Assume 8051 is ing suitable delay.	
6	(a)		are the fact		required	to be consi	idered fo	or selecting a microcontroller	r 10
	(b)		(,)\ ' -	an by Asser			•	mbler directives are called as	s 10

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