Reg	istra	tion no:							
Tota	ıl Nu	mber of Pages: 1		210		210		210	B.TECH
210		8 th Semester Reg EMBEDDED		ck Exar VI DEVI SE, IT, Hours	ELOPI	on 20	15-16	Р	ECS5408
210		210 210	Q.CODE:			210		210	6
	nsw	er Question No.1 whic	The state of the s		y and	any fiv	e from	the	e rest.
Q1	a)	The figures in the Answer the following question What is NVRAM?	right han	d marg	jin ind	icate ı	narks.		(2 x 10)
210	b) c) d) e) f)		erscalar? M are equa which sema	l or not? aphore p	Justify rotects	which d	swer. ata?	210	
210	h) i) j)	Explain the concept of pipel Why Embedded System is a How does a scheduler knunblocked?	ining. called as R	eal-Time	?		locked	or	
Q2 Q3	a) b) a)	Explain with diagram how a Tool Chain Works. Explain Watchdog Timers. Write the pseudo-code of how watchdog							(5) (5) (5)
Q4	b)	timer works in case of ATM. Explain briefly about the ma What is Semaphore? Explain the Semaphores.	ilbox.	cution pro	ocess o	of RTOS	by usir	1g	(5) (10)
Q5 Q6	a) b) a)	What is Task? Explain the c Explain Hard Real-Time Sch Explain the term Reentrance	neduling.						(5) (5) (5)
40	b)	- in O. S. Alderd Deal Time Operating Cyctom							(5)
Q7	a) b)	Explain briefly about Instruction	tion Set Sir of Semaph	mulators oge.		210		210	(5) (5)
Q8	a) b) c) d)	Write short notes on any two OTP ROM ISR UART Message Queue	o from the	following	J.				(5 x 2)