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	OMP	NCH: COMPUTER UTER SCIENCE AN	ENG ID TE VER No.	G, C ECH. ELE 1 wl	EMB OMP , PO CTR C T C M C hich	EDI UTE WER ONIC Time Max 0.CO is c	DED R SC ELE ANI : 3 I mar DE: omj	CTR DELE Hour ks: 7 Z122 puls	STER E, C ONIC ECTR S 70 22 ory a	M OMP C, PO RICAI	PUTE WEF L DR	R SC R ELE IVES	fron	ONIC 8	& DRIVES,	1
Q1	a) b) d) e) f) h) i)	 system. What are the characteristics of embedded system? Why Embedded System is called as Real-Time? What are the types of embedded system? Differentiate between soft, hard and firm real time system. What happens if all the tasks of the RTOS are blocked? What are the languages used in embedded system? What is the difference between mutexes and semaphores? 										·	(2 x 10))		
Q2	a) b)														(5) (5)	
Q3	a) b)														(5) (5)	
Q4		Explain with an exa operations.	ample	e the	mail	box	es in	an	embe	edded	sys	tem v	with R	eal tim	ne (10)	
Q5	a) b)													(5) (5)		
Q6	a) b)														(5) (5)	
Q7	a) b)	Explain about the inte State two examples of	•									out ar	ny one.		(5) (5)	
Q8	a) b) c)	Write short notes of Cross Compiler Semaphore Watchdog Timer	n any	' two	from	the f	ollow	ving.							(5 x 2)

d) NVRAM