
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, November/December - 2016 EMBEDDED SYSTEM DESIGN

Time	e: 3 Hours	Elect	ronics and Co	mmunication I	Ingineering)	Max. Marks: 75	****
Note	Part A i	s compulsor onsists of 5	Units, Answe	es 25 marks.	question from	stions in Part A. each unit Each	FC
			P	ART- A			
						(25 Marks)	
b)	What is th		ibute "Portabili		ided system desig		
c) d)	What is A		C in Embedded	System design	to a produce a second	[2] [3]	
e)			et Circuit in em	bedded system?		[2]	
f). g) h)	···What are t ····What is an What is tas	he merits and Operating sy sk control blo	drawbacks of what are ock (TCB)?	•	·····	[3] [3]	
i) j)		ffman conditi	ons. f a process co-c	merate?		[2] [3]	
			PA		ALLEN TO THE STATE OF THE STATE	(50 Marks)	
2.	Define an e	embedded sys	•	he characteristic	es of Embedded S	ystems. [10]	
3.	Explain the	various purp	ooses of embed	ded systems in o	letail with illustra	tive examples. [10]	
4.a)	Explain the		ctors that needs	s to be consider	ed in the selection	n of memory for	
b); i		•	1 1 1 1 1 1 1	SPI communica	ntion interface.	[5+5]	2029
<i>5.</i>	Explain the	different cor	nmunication bu	ises used in auto	omotive application	on. [10]	
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