Total No. of Questions : 12]		SEAT No.:	
P3957	[5462] - 681	[Total No.	of Pages •

57 [5462] - 681 [Total No. of P M.E. (Computer Engineering) EMBEDDED AND REAL TIME OPERATING SYSTEM (2017 Pottorn) (Samestan D. (510104)

	(2017 Pattern) (Semester-I) (510104)	
Time	e : 3 Hours] [Max. Mark	s:50
Instr	uctions to the candidates:	
	1) Attempt Q.No1 or Q.No2, Q.No3 or Q.No4, QNo.5 or Q.No.6, Q.No.7 or Q.No9 or Q.No.10, Q.No.11 or Q.No.12.	Vo.8
	2) Neat diagrams must be drawn wherever necessary.	
,	3) Figures to the right indicate full marks.	
•	4) Assume suitable data, if necessary.	
Q 1)	Explain with diagram different characteristics of embedded systems.	[8]
~ ,	OR	-
Q2)	Explain the need of watchdog timer and reset after the watched time.	[8]
03)	Describe build process for embedding software.	[8]
~ /	OR	• .
Q4)	Explain embedded system design technologies.	[8]
() 5)	Describe and compare R\$232C and SDIO Devices.	[9]
Q 3)	OR	LŽ.
00		.
Q6)	Explain types of serial communication with examples.	[9]
<i>Q7</i>)	How precedence constraint decides in real time tasks? Explain.	[8]
0.01	OR OF	
(28)	What are the function parameters and resource of real time process? Exp	
	in brief.	[8]

Q9) Explain shared data problem while handling interrupts in detail. [8] OR Q10) What are the advantage and disadvantage of disabling interrupts during the running of a critical section of a process? Explain. [8] Q11) Describe the features of QNX Neutrino. [9] OR Q12)Explain the process for developing embedded software. [9] The second of th