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	U TECHNOLOGI Vear II Semester E EMBEDDED S Omputer Science a	xaminations, N YSTEMS	May - 2016	ABAD	K9 :	6 \$XY • * * * X • * * X • * * X • * X • * X
Time: 3 Hours	Answer any Five	Questions	Max. N	farks: 75	K9	4 • 4 X 4 • X • • X X • • X X • • X X • X •
1.a) What is an embedded computing application by Explain the challenge	ns.			embedded	K9	x
2.a) Why do we need a position by Draw the format of timer/counter operation	f TMOD and TC	ON registers		xplain the [5+10]		* ×**
3.a) Explain the instructi ROM in the 8051, give b) Explain about data tra	ve any two example	es.		e on-chip	K9	* * * * * * * * * * * * * * * * * * *
4.a) Explain the different b) Explain unsigned and	- 1		mp instructions i	n 8051. [10+5]	K9	* ***
5.a) Classify the types ofb) Write about serial bu		on.		[7+8]		°a ∉x°
6.a) What is a semaphore data problem: Explain process man	* × ×***	* * * * * *	X + + + X + X + X + X + X + X + X + X +	* * * * * * * * * * * * * * * * * * *	K9	× × × × × × × × × × × × × × × × × × ×
7. Explain about the fol a) Cross-Complier	lowing embedded s b) Cross-assemble		pment tools. d) Locator	[15]		
8.a) Write a note in Interr b) Write about SHARC	net-enabled systems and compare with	different types	of architectures.	[5+10]	K9	* * * * * * * * * * * * * * * * * * *
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