[M19CST1111]

I M.Tech I Semester (R19) Regular Examinations

EMBEDDED COMPUTING

(Computer Science & Engineering)

MODEL QUESTION PAPER

TIME: 3 Hrs. **Max. Marks: 75 M**

Answer **ONE Question** from **EACH UNIT**

All questions carry equal marks

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			CO	KL	M
		UNIT - I			
1.	a).	Mention some system calls in LINUX.	CO2	K1	7
	b).	Explain abt BUSY BOX.	CO1	K2	8
		OR			
2.	a).	What is a Thread? Briefly explain abt multithreading.	CO2	K1	8
	b).	Explain memory allocation in LINUX OS.	CO1	K2	7
		UNIT - II			
3.	a).	Differentiate static and dynamic linking.	CO2	K2	8
	b).	Describe abt code optimization switches.	CO2	K2	7
		OR			
4.	a).	Discuss abt code profiling tools.	CO2	K2	7
	b).	Mention varis C Libraries.	CO2	K1	8
		UNIT - III			
5.	a).	Discuss abt data transfer and control.	CO3	K2	7
	b).	Explain abt audio signal processing.	C03	K2	8
		OR			
6.	a).	Explain GSM module interfacing with data processing and display.	C03	K2	7
	b).	Compare and contrast sensors and actuators.	CO3	K4	8
		UNIT - IV			
7.	a).	Illustrate TCP/IP protocol stack.	CO4	K4	8
	b).	Give varis standards in IEEE 802.11	CO4	K2	7
		OR			
8.	a).	Differentiate between Bluetooth and ZigBee.	CO4	K2	8
	b).	Write abt varis types of firewalls.	CO4	K1	7

		UNIT - V			
9.	a).	Draw and explain IA32 instruction set architecture.	CO1	K4	7
	b).	List and analyze varis debugging tools.	CO1	K4	8
		OR			
10.	a).	What is Interrupt Latency? Mention the rules.	CO1	K1	7
	b).	Explain the mechanism to handle interrupts.	CO1	K2	8