

[M19CS1107]

**I M. Tech I Semester (R19) Regular Examinations**

**MOBILE COMPUTING TECHNOLOGIES**

**DEPARTMENT OF ELECTRONICS & COMMUNICATIONS ENGINEERING**

**MODEL QUESTION PAPER**

**TIME: 3Hrs.**

**Max. Marks: 75 M**

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

All questions carry equal marks.

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			CO	KL	M
		<b>UNIT-I</b>			
1.	a).	Discuss the design considerations for mobile computing?	CO1	2	8
	b).	Explain Mobile Computing thrgh Internet .	CO1	2	7
		<b>OR</b>			
2.	a).	Explain the three tier architecture of Mobile computing with neat diagram.	CO1	2	8
	b).	Explain Middle ware and Gateways in details.	CO1	2	7
		<b>UNIT-II</b>			
3.	a).	Discuss abt the mobile services and data services in GSM.	CO2	2	8
	b).	Describe in detail abt GPRS Network Architecture.	CO2	4	7
		<b>OR</b>			
4.	a).	Write in detail abt Code division multiple accesses (CDMA).	CO2	4	7
	b).	What are the benefits of reservation schemes? How are collisions avoided during data transmission, why is the probability of collisions lower compared to classical Aloha? What are the disadvantages of reservation schemes?	CO2	1,2	8
		<b>UNIT-III</b>			
5.	a).	Explain the wireless LAN advantages?	CO3	4	8
	b).	Write a short note on IEEE 802.11 Standards.	CO3	2	7
		<b>OR</b>			
6.	a).	Write abt Wireless LAN Architecture with neat sketch.	CO3	2	8
	b).	Discuss abt SS 7 Signaling system?	CO3	1	7
		<b>UNIT-IV</b>			
7.	a).	Explain in detail abt Security considerations in MIDP?	CO4	2	8
	b).	Write abt Optional Packages?	CO4	2	7
		<b>OR</b>			
8.	a).	Draw Symbian OS Architecture and explain in detail.	CO4	2	8
	b).	Discuss in detail abt Design Constraints in Applications for Handheld Devices.	CO4	2	7
		<b>UNIT-V</b>			
9.	a).	Compare H.323 and SIP?	CO5	2	8
	b).	Write any two applications of Voice over IP.	CO5	2	7
		<b>OR</b>			
10.	a).	What are different Security Techniques and Algorithms? Explain any one algorithm.	CO6	1	8
	b).	What are Security frameworks for Mobile Environment? Discuss.	CO6	1	7

**CO-CRSE TCOME**

**KL**

**-KNOWLEDGE LEVEL**

**M-MARKS**