

[M19CS1106]
II M. Tech I Semester (R19) Regular Examinations
WIRELESS LANs AND PANs
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.

			CO	KL	M
		UNIT-I			
1.	a).	Discuss abt the technical issues in wireless communications	CO1	K6	8
	b).	Explain abt pure ALOHA in detail	CO1	K1	7
		OR			
2.	a).	Write abt slotted ALOHA.	CO1	K2	8
	b).	Explain in detail abt Wireless 4G systems.	CO1	K1	7
		UNIT-II			
3.	a).	Explain the importance of Wireless LANs.	CO2	K1	8
	b).	Explain in detail abt Infrared technology.	CO2	K2	7
		OR			
4.	a).	Compare difference between wired and Wireless LAN.	CO2	K4	8
	b).	Write abt Spread Spectrum technologies.	CO2	K1	7
		UNIT-III			
5.	a).	Explain in detail abt different MAC layer issues.	CO3	K1	8
	b).	Explain abt medium access control layer in wireless LAN.	CO3	K1	7
		OR			
6.	a).	Explain abt different layers in IEEE 802.1 wireless LAN?	CO3	K1	8
	b).	How congestion can be controlled and avoided in MAC layer?	CO3	K1	7
		UNIT-IV			
7.	a).	Explain abt different Blue Tooth Technologies.	CO4	K1	8
	b).	Write abt different interference issues in Blue Tooth.	CO4	K1	7
		OR			
8.	a).	Compare Intra and Inter Pico net scheduling.	CO4	K4	8
	b).	Discuss different security issues in Blue tooth	CO4	K6	7
		UNIT-V			
9.	a).	Explain in brief abt different Zig Bee technologies	CO4	K1	8
	b).	Write abt IEEE 802.15.4 LR -WPAN Device architecture	CO4	K1	7
		OR			
10.	a).	Explain abt IEEE 802.15.3a Ultra wideband?	CO5	K2	8
	b).	Write abt different IEEE 802.15 working Grp for WPAN.	CO5	K1	7

CO-CRSE TCOME

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-KNOWLEDGE LEVEL

M-MARKS