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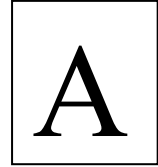


SNS College of Technology, Coimbatore-35.
(An Autonomous Institution)

B.E/B.Tech- Internal Assessment -II
Academic Year 2023-2024(Odd Semester)

Seventh Semester

Electronics & Communication Engineering
19ECE402 – Wireless AD HoC and Sensor Networks



Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5x 2 = 10 Marks)

		CO	Blooms
1.	List the the significance of Request to Send (RTS) and Clear to Send (CTS) frames in CSMA/CA for collision avoidance	CO2	Rem
2.	Define contention-based and reservation-based mechanisms in wireless networks	CO2	Rem
3.	Categorize the major classifications of routing protocols utilized in adhoc wireless networks.	CO3	Ana
4.	Outline some examples of table driven routing protocols	CO3	Und
5.	Identify the difference between Ad hoc on demand Distance vector routing protocol (AODV) and dynamic sequence routing protocol (DSR)	CO3	App

PART – B (2x13) + (1x14) = 40 Marks

			CO	Blooms	
6.	(a)	Explain the mechanism used for updating scheduling tables in distributed priority scheduling.	13	CO2	Und
		(or)			
	(b)	Explain the on-demand routing protocol AODV (Ad Hoc On-Demand Distance Vector) in detail, including its key features, functioning, and the scenarios in which it is commonly used.	13	CO2	Und
7.	(a)	Identify and explain the major challenges that routing protocols designed for ad hoc wireless networks encounter.	13	CO3	Appl
		(or)			
	(b)	Build the characteristics of an ideal routing protocol for ad hoc wireless networks	13	CO3	Apply
8.	(a)	Analyze the concept of contention-based and reservation-based mechanisms in the context of wireless communication networks with synchronous and	14	CO3	Anal

		asynchronous protocols.			
		(or)			
	(b)	Simplify the concept of distributed priority-scheduling in computer networks. How does this scheduling mechanism prioritize tasks or processes in a distributed system?	14	CO3	Anal

Abbreviations: Co- Course Outcomes, Rem-Remembering, Und-Understanding, App- Applying, Ana-Analysing, Eva-Evaluating, Cre-Creating

Course Coordinator

Teaching Coordinator

HoD/Dean