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

B.E/B.Tech- Internal Assessment -I
Academic Year 2023-2024 (Even Semester)

Sixth Semester

Electronics and Communication Engineering

19ECT311 – Wireless Communication

B

Time: 1^{1/2} Hours

Maximum Marks: 50

Answer All Questions

PART - A (5x 2 = 10 Marks)

				CO	Blooms
1.		Define MS, BS and MSC.		CO1	Rem
2.		Classify the cellular interference and explain.		CO1	Und
3.		Recall the techniques used to expand the capacity of cellular system.		CO1	Rem
4.		Outline the free space propagation model.		CO2	Und
5.		Inspect the necessity of Link budget		CO2	Ana
PART – B (2*13) + (1*14) = 40 Marks					
				CO	Blooms
6.	(a)	Distinguish the 2G - 3G - 4G cellular networks and elaborate their features in detail.	13	CO1	Ana
		(or)			
	(b)	Examine the techniques to improve coverage and channel capacity in cellular systems.	13	CO1	Ana
7.	(a)	Design a two-ray reflection model for mobile radio propagation in large scale path loss.	13	CO2	Ana
		(or)			
	(b)	Summarize about basic propagation mechanisms involved in wireless communication.	13	CO2	Und
8.	(a)	Apply the frequency reuse and channel assignment mechanism concept in wireless communication to avoid interference.	14	CO1	App
		(or)			
	(b)	Explain the Interference and system capacity with neat sketch.	14	CO1	Und

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

App- Applying,

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