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15MT551

Semester B.E. Degree Examination, Feb./Mar. 2022 **Wireless Networks and Communication**

Time: 3 hrs.

Max. Marks: 80

	N	lote: Answer any FIVE full questions, choosing ONE full question from each mo	dule.			
		Module-1				
1	a.	What is Wireless Communication System? Explain the block diagram of	Wireless			
		Communication System?	(10 Marks)			
	b.	The second at a distance of Skill With the	transmitter			
		which is having the operating frequency of 750 MHz. calculating the pathloss in the	ne system.			
			(06 Marks)			
		OR				
2	a.	Explain various Networking issues.	(08 Marks)			
	b.	Define Packet Switching. With the neat diagram explain packet switching.	(08 Marks)			
3	a.	Module-2 Explain the unique properties of WBAN with neat diagram.	(00 Ml)			
	b.	Explain the network architecture of WPAN.	(08 Marks) (08 Marks)			
	1701		(00 Marks)			
		OR				
4	a.	process of the first the f	(08 Marks)			
	b.	List out the requirement of WPAN devices? Give the diagram of WPAN ted	7			
		Briefly explain few important application of WPAN.	(08 Marks)			
		Module-3				
5	a.	Explain in brief frequency hoping spread spectrum.	(08 Marks)			
	b. Explain FSK digital modulation technique in detail along with supporting block diagram.					
			(08 Marks)			
	OR					
6	a.	1 (00 Mark				
	b.	b. With neat block diagram, explain the diversity operation in modulation. (08 Marks)				
Module-4						
7						
	b. Explain design requirements of WLAN. Determine the transfer of 40kB file with an 802.11					
		WLAN operating at 2 Mbps.	(10 Marks)			
OR						
8	a.	TITLE 11 TYPE CARE	(06 Marks)			
	b.	Explain LMDS system in detail along with block diagram.	(10 Marks)			
9	0	Module-5 Evaloin MANIET single han and multi han architecture	(40.3%)			
9	a. b.	Till O II O	(10 Marks)			
	υ.	2350 out the Quantitative and Quantative leatures of Wheless Adhoe Networks.	(06 Marks)			
(graen	OR					
10	a.	TTT ' 1 / V 1	(08 Marks)			
	b.	Write the various characteristics of VANETs.	(08 Marks)			

Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.