Seventh Semester B.E. Degree Examination, Dec.2018/Jan.2019 Wireless Networks

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART - A

1	a. b. c.	Explain wireless communication system in detail along with its limitation. Explain wireless communication channel specification. The transmitted power of a transmitter is 10mw, operating at a frequency 8 receiver captures data with the power $0.1\mu W$. Find the distance between transfectiver.	
2	a.	Explain different wireless networking issues.	(08 Marks)
	b.	Explain wireless switching technology.	(08 Marks)
	c.	Mention various wireless communication problems.	(04 Marks)
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3	a.	Explain the properties of wireless body area network.	(05 Marks)
	b.	Explain: i) S – MAC ii) T – MAC.	(10 Marks)
	C.	Explain in brief IEEE 802.15.1.	(05 Marks)
4	a.	Explain IEEE 802.15.3, HR-WpAN.	(10 Marks)
	b.	Explain Bluetooth protocol stack used for WpAN.	(10 Marks)
		PART – B	
5	a.	Explain the design requirements of WLAN.	(10.1/-1-)
3	b.	Explain FHSS pMD transmitter and receiver.	(10 Marks) (10 Marks)
	0.	Emplaint 1135 pivils transmitter and receiver.	(10 Marks)
6	a.	With a neat diagram explain LMDS system.	(10 Marks)
	b.	Explain wireless ATM.	(06 Marks)
	C.	Give the advantages and disadvantages of MMDS and LMDS.	(04 Marks)
7	a.	Explain GSM network architecture mentioning it silent features.	(10 M
1	b.	Explain CDMA 2000 network architecture.	(10 Marks) (10 Marks)
	0.	Explain CD1411 2000 het work aromitecture.	(10 Marks)
8	a.	Explain quantitative features and qualitative features of wireless Ad-Hoc network.	
	1.	Describe WGN 1	(10 Marks)
	b.	Describe WSN architecture with a neat diagram.	(10 Marks)

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.