## Paper / Subject Code: 52952 / Wireless Networks

		Duration: Siris [Max Marks:00]	
	N.B. :	<ol> <li>Question No 1 is Compulsory.</li> <li>Attempt any three questions out of the remaining five.</li> <li>All questions carry equal marks.</li> <li>Assume suitable data, if required and state it clearly.</li> </ol>	
1		Attempt any FOUR	[20]
	a	Explain wireless network architecture.	
	b	Introduce UWB with its working.	
	c	Discuss the exponential backoff algorithm used in WLAN.	
	d	Write short note on "IEEE 802.16 standard".	E.
	e	What is mobile adhoc network? Highlight on MAC protocols.	
2	a	Describe WBAN architecture with diagram.	[10]
	b	Explain Bluetooth security features and security levels with proper diagrams.	[10]
3	a	Explain zigbee network components and network topologies.	[10]
	b	Explain RFID technology with radio specifications and architecture.	[10]
4	a	What are the factors influencing design of Wireless Sensor Network. Describe the components of a sensor node.	[10]
	b	Draw the suitable diagrams for the downlink and uplink link budgets for GSM 1800 and give their equations of signal received(S) and noise (N).	[10]
5	a	Explain different planning and designing phases in Wireless Networks.	[10]
	b	Discuss the classifications MANET routing protocols.	[10]
6	a	Compare main features of IEEE 802.11 a,b,i and n.	[10]
	p	Explain the framework and architecture of IoT.	[10]

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