M.Tech. (Electronic Engineering (Communication) / VLSI / Electronics Engineering) Third Semester (C.B.C.S.) Elective-IV (Open): Wireless Sensor Networks

P. Pages: 1 Time: Three Hours			1	NIR/KW/18/4306/4349/4	328	
			S			: 70
	Notes	2. 3. 4. 5. 6. 7.	Assume suitable data who	estions No. 2. estions No. 4. estions No. 6. estions No. 8. estions No. 10. to neatness and adequate denever necessary. henever necessary with the		(
1.		Explain it in deta		r technologies in detail. Al	lso Explain the applications of	14
2.	a)	What ar	e the challenges for wirele		(1)/4 1	7
4.	a) b)		· ·		f Wireless Sensor Network.	7
3.	a)	Discuss	in details about Energy C	onsumption of Sensor nod	es.	7
	b)	Explain	Single node architecture of	of wireless Sensor network OR	c.	7
4.	a)	Write sh	ort notes on figures of me	erit and optimization Goals	s in WSN	7
7.	b)		in short on Gateway conc	1.7	s iii w.g.v.	7
5.	a)	Explain	S-MAC protocols in detail	ıls.		7
	b)	Explain	\ \ _	ed to wireless technologies ii) IEEE 802.15 OR		9
6.	a)	Explain	Unicast geographic routin	ıg in detail.		7
	b)	Explain	the functionalities of Rou	ting Protocols in detail.	0,77	7
7.	a)		nort notes on: ustering	ii) Network time	e protocols.	14
8.	a)	Explain	Reference- Broadcast syn	chronization (RBS) in deta	ail.	7
	b)	Explain	the concept of sensor task	ing & control.		7
9.		_	nort notes on:			14
	Γ.	i) Tir	ny aggregation	ii) Data aggrega OR	ation	
10.	a)	Explain	Query Processing in Sens	or.		1
~/	b)	Explain	Direct Diffusion methods		Q"//_	7
