## ME Sem I [CNIS] Choice based Q.P. Code: 827200 May 2017

		(5 Hours) Total Walks. 30	
	N	V.B.: (1) Question number 1 is compulsory.  (2) Attempt any three questions out of the remaining five questions.  (3) Figures to the right indicate full marks.  (4) Assume suitable data whenever required and justify them.	
1.	a)	State and explain the different issues in Ad-hoc wireless networks.	10
	b)	Explain the Multi-channel MAC & Power control MAC protocol.	10
2.	a)	Explain how heterogeneous mesh network differs from vehicular mesh network.	10
	b)	Differentiate ad-hoc TCP and split TCP.	10
3.	a)	What are the effects of exposed terminal problem in wireless networks?	10
	b)	What is meant by OLSR and explain about OLSR routing protocol?	10
4.	a)	Explain tree based and mesh based Ad-hoc network routing.	10
	b)	Write short note on different operational states of transceiver in WSN.	10
5.	a)	Explain how routing in ad-hoc and sensor network is more secure?	10
	b)	Explain issues and challenges in providing QoS in ad-hoc wireless networks.	10
6.	a)	Explain about the localization in WSN.	10
	b)	Explain Hybrid TDMA/FDMA.	10
· 1 /	10		