B.E.(with Credits)-Regular-Semester 2012-Computer Science and Engineering Sem. VII BE-Elective-II : Ad-hoc Network

P. Pages : 1 Time : Three Hours		$\begin{array}{c} 1\\ \text{ee Hours}\\ \end{array}$	<b>GUG/W/16/6533</b> Max. Marks : 80	
	Note	<ul> <li>s: 1. All questions carry equal marks.</li> <li>2. Illustrate your answers wherever necessary with the help of nea</li> <li>3. Due credit will be given to neatness and adequate dimensions.</li> <li>4. Assume suitable data wherever necessary.</li> </ul>	at sketches.	
1.	a)	Differentiate Cellular Wireless Network and Ad Hoc Wireless Network	. 8	
	b)	Explain various requirement of a routing protocol in Ad Hoc Wireless N	Vetworks. 8	
		OR		
2.	a)	Briefly explain five phase reservation protocol with frame structure.	8	
	b)	Explain Ad hoc wireless Internet with neat sketch.	٤	
3.	a)	Discuss various issues in designing a routing protocol for Ad Hoc Wire	less Networks.	
	b)	Explain route establishment in DSR with example.	8	
		OR		
4.	a)	Give the classification of routing protocol for Ad Hoc Wireless Network	k. <b>8</b>	
	b)	Explain Fish – Eye state routing protocol with neat sketch.	8	
5.	a)	Explain Tree based multicast routing protocol.	٤	
	b)	Give the operation of multicast routing protocols.	8	
		OR		
6.	a)	Explain classification of multicast routing protocol in brief.	٤	
	b)	Write a note on ODMRP.	8	
7.	a)	Discuss "Feedback based TCP (TCP – F)" and TCP with explicit link fa $(TCP - ELEN)$	ilure notification	
	b)	Describe symmetric key algorithm for security.	8	
		OR		
8.	a)	What are Network security requirement and what are the issues and cha security, protocol for Ad Hoc Network.	llenges to design	
	b)	Explain key management in Ad hoc Wireless Network.	8	
9.	a)	What are the issues in providing QoS in Ad Hoc Wireless Network.	٤	
	b)	Explain location based QoS routing protocol.	8	
		OR		
10.	a)	With a neat sketch, explain INSIGNIA QoS framework.	٤	
	b)	Explain Energy efficient Medium Access Control Protocol.	8	
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