Time:	3 hours Max. Marks:	80
	l) Question No.1 is compulsory.	30
	2) Attempt any <b>THREE</b> questions out of remaining <b>FIVE</b> questions.	7
	3) <b>Figures</b> to the <b>right</b> indicates <b>full</b> marks.	
۷	4) Assume suitable data if <b>necessary</b> .	
Q1		20
a	What are applications of Ad Hoc Wireless Networks? Explain.	
b	Discuss the challenges that a design engineer faces while designing a routing protocol for an ad hoc wireless network.	
c	What are the objectives of transport layer protocol. Which protocol is used for ad hoc networks?	
d	Differentiate between different kind of sensor network architectures.	
<b>Q.2</b>		
a	List and explain different issues in ad hoc wireless network.	10
b	Differentiate between cellular networks and ad hoc wireless network.	10
0.2		
Q.3	Duayy and avalage diagrams of the ad heavyinglage fotomat	10
a b	Draw and explain diagram of the ad hoc wireless Internet.  Give classification of MAC protocols with respect to mobile network. Explain any	10
	one protocol that best suited for ad hoc wireless network.	10
Q.4		
a	Explain in detail the major reasons behind throughput degradation that TCP faces when used in ad hoc wireless networks.	10
b	Discuss issues and challenges in security provisioning in an ad hoc wireless	10
	network.	
Q.5		
a	What is the need for energy management in ad hoc wireless networks? Explain.	10
b	Explain in detail sensor network architecture.	10
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Q.6	Write short notes on any FOUR	20
a	Classification of routing protocols based on routing information update mechanism.	
b	Hidden and exposed terminals Network layer attack in wireless network	
c d	HyperLan	
e	Data Dissemination Wireless Sensor Network	
f	Battery Management Schemes	
	Datiety Training Street Solidings	
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