First	ranker's choice www.FirstRanker.com www.FirstRan	ker.com
Code	NO: 118AA	13
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABA B. Tech IV Year II Semester Examinations, May - 2017	AD
	ADHOC AND SENSOR NETWORKS (Common to CSE, IT)	
	3 hours Max. Mar	ks: 75
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A consists of 5 Units. Answer any one full question from each unit. Each question 10 marks and may have a, b, c as sub questions.	
	PART - A J J (25)	5 Marks)
1.a) b) c) d) e) f) g) h) i)	What are factors that influence the routing in a MANET? Explain the location based scheme. What are the challenges of TCP over adhoc networks? Explain the classification of nodes in the network by using CAMP. Distinguish between static channel and dynamic channel allocations. Explain about the Mica mote. Explain the steps involved in the Burmester and Desmedt protocol. What are the drawbacks of CLIQUES protocol? Explain the features of Tiny GALS. What are the components of TinyOS?	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
2.	PART - B Explain how to find the route from source to destination by using DSR protocol. OR	Marks) [10]
3.	Explain three phases of ABR protocol.	[10]
4.a) b)	Explain the drawback of the TCP exponential backoff algorithm in MANETS. Distinguish between LBM scheme 1 and LBM scheme 2.	[5+5]
5.	Explain about the multicast zone routing protocol.	[10]
6.	Explain the design of routing protocol for WSNs which influence fault t security, connectivity, Adhoc deployment and QoS. OR	olerance, [10]
7.	Explain about the Multipath based routing in WSNs.	[10]
8.a) b)	Explain the components of sensor nodes. Explain about the GDH.3 protocol.	[5+5]
9.a) b)	OR Explain about the N – Party Diffie Hellman Key Agreement protocol. What are the challenges of sensor network programming?	[5+5]
10.	Explain the architecture of TOSSIM.	[10]
11.	Explain about the ns-2 and its sensor network extension.	[10]
	00O00	