Seat No.: Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II • EXAMINATION - SUMMER - 2017

Subject Code: 2722312 Date: 29/05/2017

Subject Name: WIRELESS ADHOC NETWORK

Time: 02:30 PM To 05:00 PM Total Marks: 70

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q.1	(a) (b)	Write a note on an adhoc wireless network. Discuss various solutions to provide QoS in Ad Hoc Wireless Networks.	07 07
Q.2	(a) (b)	List various issue in designing routing protocols in Ad Hoc Wireless Networks. List different types of MAC protocol and explain any one. OR	07 07 07
	(b)	Discuss Issues in designing a MAC Protocols for Ad Hoc Wireless Networks.	07
Q.3	(a) (b)	Explain Contention Based Protocols with Scheduling Mechanism. Discuss Issues in designing a Multicast Protocols for Ad Hoc Wireless Networks.	07 07
		OR	
Q.3	(a) (b)	Explain various table driven routing Protocols. Write a short note on TCP over Ad Hoc Wireless Networks.	07 07
Q.4	(a) (b)	Explain QoS Solutions at MAC layer. Explain Mesh based multicast routing protocols. OR	07 07
Q.4	(a) (b)	Explain QoS Solutions at Network layer. Write a note on Application Dependent Multicasting Routing.	07 07
Q.5	(a) (b)	Explain role of energy management in Ad Hoc Wireless Networks. Write a short note on Ad Hoc Wireless Networks Security.	07 07
0.5	(a)	OR Explain various navar managament schemes	07
Q.5	(a) (b)	Explain various power management schemes. Write a short note on Network Security Attacks and Key Management.	07 07
