	Enrollı	ment No: _		Exam Seat No:		
			C.U.SHA	H UNIVERSIT	ΓΥ	
			Winter E	Examination-2018		
	Subjec	t Name: N	Mobile Ad-Hoc Netwo	rks		
	Subjec	t Code: 4	TE07MAN1	Branch: B.Tech (EC)		
	Semest Instruct	-	Date: 06/12/2018	Time: 10:30 To 01:30	Marks :70	
	(1) (2) (3)	Use of Pr Instructio Draw nea	ns written on main ansv	& any other electronic instrum wer book are strictly to be obey (if necessary) at right places.	-	
Q-1		Define Fo	ollowing Terms:			(14)
			anagement			, ,
	(b)	Neighbor	Table			
	` '	Scalability				
	` /	Tier Table	2			
		Gateway				
			routing protocol			
	٠.	•	uting protocol			
	` /	•	er feedback			
	()	Ad-Hoc N				
	•	Passive at				
		Byzantine	attack			
	` '	Multicast	•			
	` /	Active atta				
	(n)	Transport	Layer			
Atter	npt any	four que	stions from Q-2 to Q-8	3		
Q-2		Attempt a	all questions			(14)
•						
C –		-	detail with diagram are	chitecture of PRNETs. ad hoc networks in detail.		

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Q-2 Q-3 **Attempt all questions (14)** Explain in brief major issues to be considered in designing a MAC protocol for ad hoc (a)

- wireless networks.
- Write short notes on "Quality of Service Provisioning" **(b)**

Q-4 Attempt all questions (14) (a)

Explain the major issues in designing multicast routing protocols.



	(b)	Classify security attacks in ad hoc wireless networks. Explain in brief each of them.
5		Attempt all questions
	(a)	Explain in detail Random Walk indoor mobility model

(b) Explain Collision Avoidance Time Allocation Protocol (CATA) with frame format.

Q-6 Attempt all questions (14)

(14)

- State the different table driven routing protocols. Explain in detail with diagrams DSDV (a) routing protocol.
- Explain Cluster-Head Gateway Switch Routing Protocol (CGSR) with necessary figure. **(b)**

Q-7 **Attempt all questions** (14)(a) Classify routing protocols with efficient flooding mechanisms. Explain in detail PLBR routing protocols.

Explain in detail HSR hierarchical routing protocols. **(b)**

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Q-8 Attempt all questions (14)

- Discuss briefly the reasons why TCP does not perform well in ad hoc wireless network (a)
- **(b)** What is Cross layer Design? Explain the Need for cross layer design.



Page 2 || 2