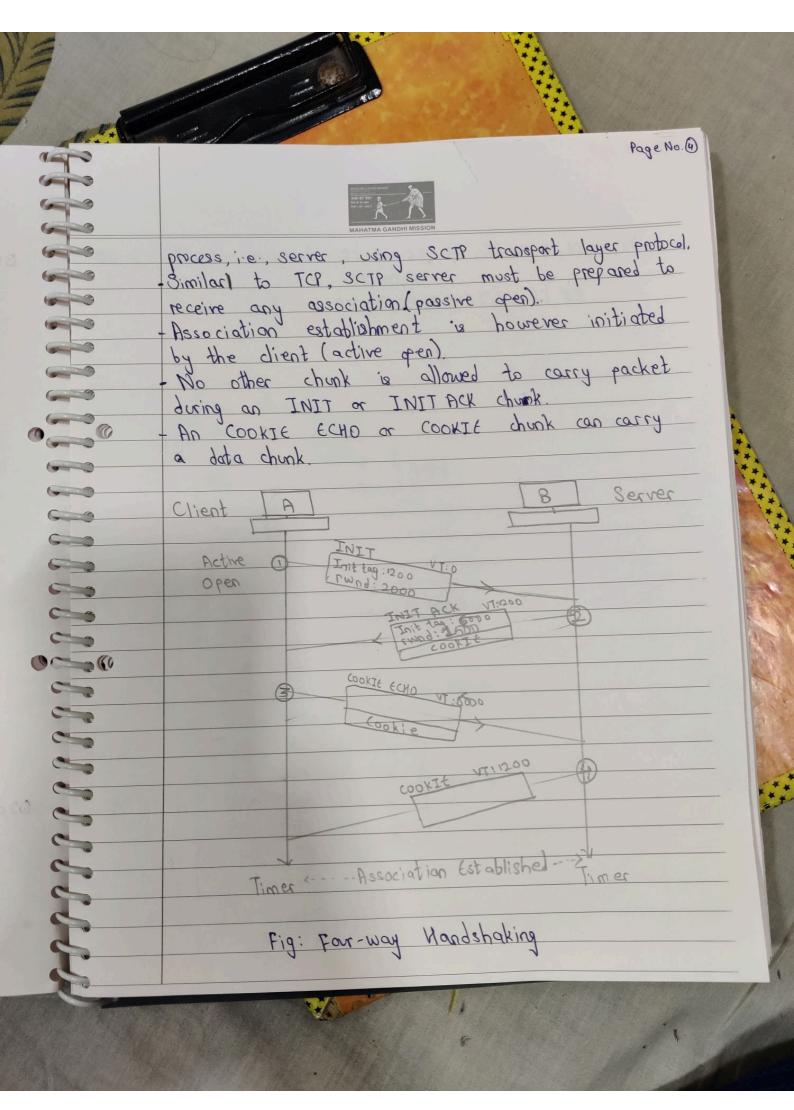
Page No. : 0 Roll No. : 212051002 Name: Madhavi Virendra Soni Course Name: TCP/IP and Network Programming Course Code: CO 0313-T

	Page 1
	MAHATMA GANDHI MISSION
0) 0	al TCP is a connection criented protocol, while UDP
	is a connection-less protocol.
	Since UDP does not have any requirements, it affers a faster connection. TCP, on the other hand is slower
	but more reliable. If we need speed more than
	reliability, we prefer UDP over TCP.
	In real-time, a user will not / cannot wait for
	the segments to arrive slowly, so UDP is used over
600	TCR For eg. DNS it uses UDP over TCP since
600	; UDP is Much faster than TCP. After all speed matters
	while loading a webpage.
co ii	DNS sequests are typically small requests and can
60	be accomposated inside UDP segments (header).
	be accomodated inside UDP segments (header). UDP is used for quick response.
0	Thus, "UDP is more suitable than TCP for real-time
	traffic.
	Given: 06 32 00 00 00 10 F2 17
1,	Source part number = (0632)16 or 1586
-	Destination Port number = (0000)16 or 13
	1 11 A 12 · Datascom - (1 C E 2) · · · · ·
3.	Length of User Datagram = (10010) or 28 bytes
	(0010/16 0. 20 09/19
4.	Length of data = 28-8 = 20 bytes
C .	land de data = 98 - 8 = 20 04ts

	Page N	0.3
01	MAHATMA GANDHI MISSION Dynamic VLAN These are manually configu- These are formed by load red NyANs by providing a the hardware addresse name, ID (VID) and port of host devices in a assignments database	sing
	2. Theye are created manually. These are created by a software	25'109
	They are easy to configure They are somewhat come to configure. It provides simple way to It provides Heribility for	y
	s It is more secure It is loss secure	
	6. Comparatively less overhead Large administrative of	verhead
020	Association establishment in SCIP A connection in SCIP requires a four-way A connection in SCIP is called as an or In four-way handshake process, normally wants to establish an association with	



T		Page No. : B
	MAHATMA GANDHI MISSION	
०२ वो ।	Chunks received: 21, 22, 23, 26, 27, 28,	31,32,33,34,
	39,40,41	THE THE REAL PROPERTY.
	Chunks lost: 24,25,29,30,35,36,3	1,38
	A	В
	TSN 21	
	75N 22	
	TSN 23	
	TSN 24	
	TSN 25 9991	
	TSN 26	
	TSN 27	
	7SN 28	
C 3	TSN 29	
	TSN 30 > 4992	
	TSN 31	· · · · · · · · · · · · · · · · · · ·
	TSN 32	ALL THE ST
	TSN 33	1 年 35 一年 人民一年 5
	TSN 34	
	TSN 35	
4	TSN 36 7 (9993	
	TSN 37	
	TSN 38	
	TSN 39	8 12 1 2 1
9	TSN 40	
5	TSN 41	

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	MAHATMA GANDHI MISSION
	Number of gaps created = 3
i	Complatine TSN Ack is 23
	For Gap1: Start Offset: 26-23=3 End Offset = 28-23=5
	For Grap 2: Start Offset = 31-23 = 8 End Offset = 34-23 = 11
	For Gap 3: Start Offset = 39-23=16 6nd Offset = 41-23=18
	a) In slow start algorithm, the size of the congestion window increases exponentially until it reaches a threshold.
	Initially, sender sets congestion window size = Maximum Segment Size (1MSS) After receiving each acknowledgement, sender increases the congestion window size by 1 MSS. In this phase, the size of congestion window increases exponentially.
	Congestion Window = Congestion Window + Maximum Segment Size Size

