	MOD-1
1)	Max N.O Usens: Link Rate  Pata Rate
2)	Throughput: - (Frame Rate) x (N.O. of bits in a frame) 60
3)	Attenuation = $10 \log \left(\frac{P_1}{P_2}\right)$
4)	Channel Copacity = Bandwidth * log (1+SNR)
5)	$\lambda = V \qquad \left(TH_3 = 10^{12}\right)$
7)	Propagation Delay (PD) = Distance Propagation Speed Propagation Speed
	Transmission Delay (TD) = Packet Length  Trasmission Rate  Total Delay = PD + TD
8)	
	Time to transfer lile = File Size (Byter -> Bits ) Throughput (kpbs -> bit/sec)

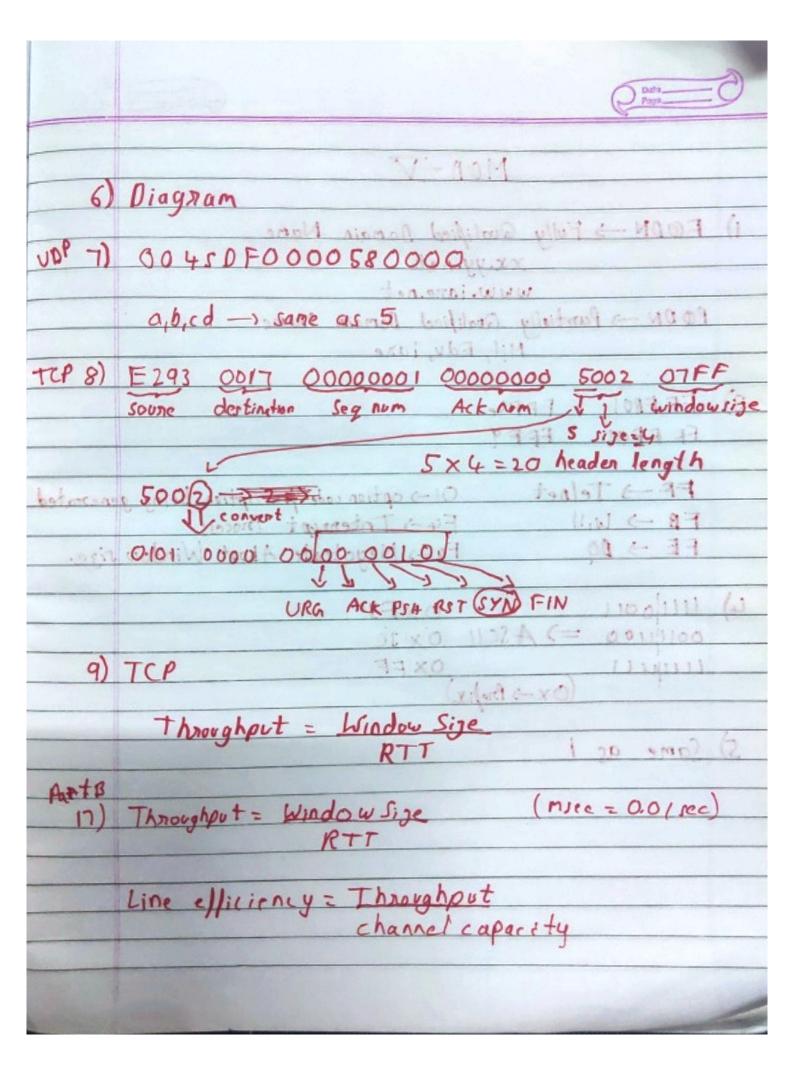
-1		1 (and) - Randwidth X PD	
9)	Bandwidth Delay Braduct (BDP) = Bandwidth X PD		
-		= Bandwidth x (Distance)	
1	Max No bits = B	DP sie on et : be identifi	
	Width of bit = le	BDP link	
		BDP	
	1.6.116		
	Width = m	Church Copperity : Enaduatical	
	8		
	Width = 5	Carlon wast I was to	
	R		
		temporation being the Instan	
10)	Proposation Tim	e = Distance	
		Propogation Speed	
	dienal be	married today (1) = lack	
	Transission Ti	me = Message.	
		Bandwidth lead	
		Market and the second second second	
		the sale of the sale	
		In to be to be the	

	McD-2	
	MCD-2	
1)	CRC:-	
-1/	CRC:-	
	1001 )11001001000	
	1001 Continue this	
	N 1/1 1000 1000 1000 1000 1000 1000 1000	
	1000	
	10 0 1 10 0 1 10 minutely	
,	Hamming distance a Number of 12	
2)	Fon 1 station:	
	Data Transfer = poll + s(frame +ACK) (x 4)	
	Data marjer = poll + of mare nevel (mid i	
	Polling and NAK = poll + NAK (x4)	
	Polling and NAIC = poll FINAIC	3
		N
	=) Total activity = 8 polls + 20 Frames + 20Ack +4	0
	il and the interest	
3)	CRC	
		-
	Same as (Add zenos = Number (P) -1)	

4)	G = (N.O stations) x (Aug N.od Frames)
	0) = (10 2 14 170.13)
	Throughputter Gr X e - 200 Frame/sec
	1 Visignification of the second of the secon
	s x brame size kbps
	channel copacity
	this sendant that
5)	Given: 111 (= 1001
	d(a,b)
	=> Find X-OR(q,b) 1001
	Hamming distance = Number of 1s
	n f station:-
6)	Same as 5
	Para Tour for = poll + r (forme + weld 1x 4
7)	Find Even Parity bit
	Pollers and MAICE poll + MAK ( )
8)	CRC (same as 1,3)
-MA	) Total activities - 8 poils + 20 France + 20 Ac is +
9)	$n = 2^{n-1}$ (Codeword)
	K=n-n (code wond)
	- 19
10)	S=67.e-5
	ne as ( Gold genos - Neglen (P-1)
	The second secon
TOTAL	

	M00-3
1)	Slash Notation (/n):> Convent into Binary
	-) Count No of 1s.
2)	Class B -> 128-191 N.N.H.H
	Subnetr = 26 = 64
	Max Horts = 2'0-2=1022
3)	Find Class Using Class Table
4)	Draw Connections
5)	Torget MAC Addrew : FF:FF:FF:FF:FF:FF
6)	
7)	Data tranmitted = Rate xTime
	Avg output data nate = Data Time
8/9)	Binary -> Dotted Dec, Potted Dec -> Dinary
10)	Find Clars.

	C Derive C
	MOD-4
()	Throughput = (Packet side) x (Packet Rate)
17	umail sha desugo de
	= × 8 (fon bits) to all involve
2)	Payload Size = Total packet size - (TCP Header) - (IP Header)
	N.o of pragments = ciel (payload/MTU)
	Ist -> MTU - IP
	2nd/Ind -> HTU -IP-TCP
3)	Diagnam
	2001 correct distal 4
4)	Efficiency = Data size x 100
	Total by ter
UDP 51	206 32 00 00 001 C E2 17
- 5)-	sounce destination Total length
	len=Total-8(Hsize)
-	convert Hexa -> Dec
-	constant of the state of the st
	-> 65535 - Ip(H) - UDP(H) = Max data length (UDP)
	hand the state of the party
	Die bert



	Man II
	MOD-V
1)	FOON -> Fully Qualified Domain Name
	xx.yy. Net 0830000707400 (11)
	www.iane.net
	POON -> Partially Qualified Domain Name
	Mil, Edv, iane
2)	18 E293 COST COCCOCC COCCOCC 5002 OFF
3)	FFF F801 FFF A men pel mineral por proper
	FF FEOI FFF9
	U. Food water length
	FR - ) Telnet OI -> option code for option being generaled
	FB -> Will F4-> Interrupt Brocers
	FE -> 00 Fq -> Negotiate About Window size.
. \	IIIIOOII MA ELAXO EDXESA AND
4)	
	0.77 0
	(Ox-> Brehx)
	throughput = Lundow Size
9	Come of 1
2)	Gitter
	Throughput = Wated ow Size (rue a course
	173
	Frederica I - consulto mis
	and a major a location of