(10y (n)); ib n= 26. then,

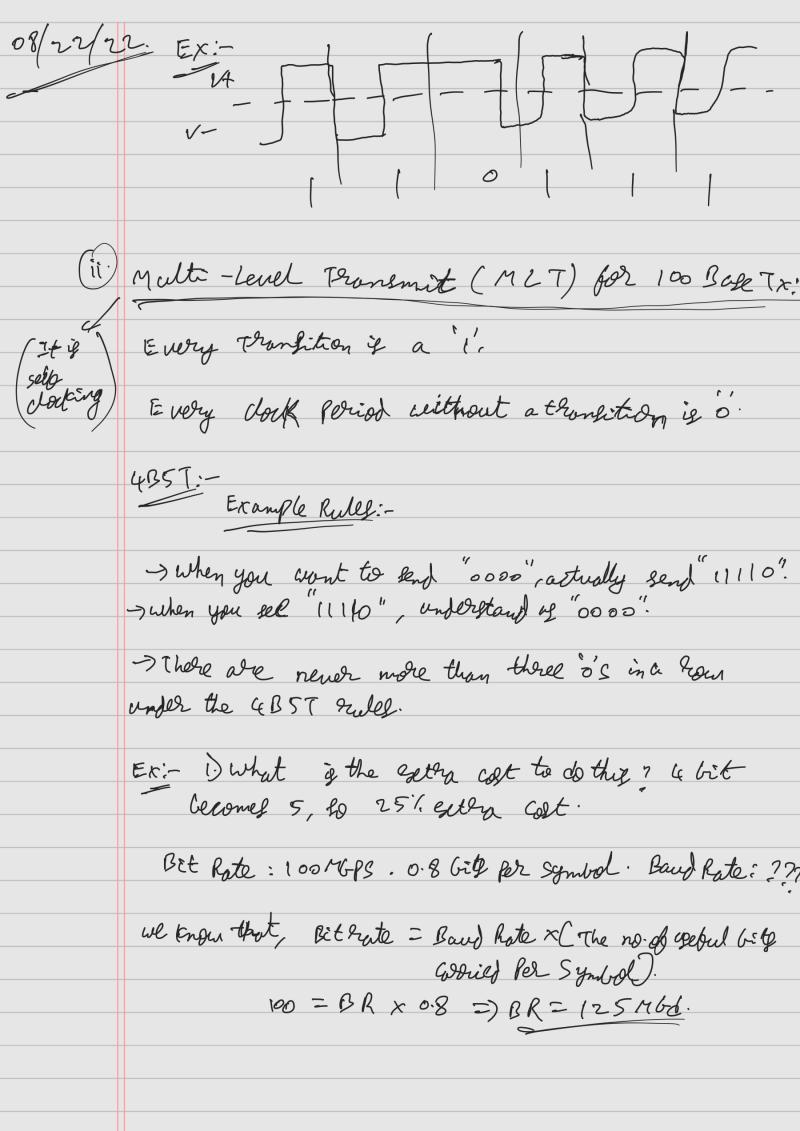
(y(26) = 4.7 bits. Pulle amplitude Modulation (PAM) Dimensionalityi--> 40-PAMS Signal, 4 wirel, 5 Amplitudel. Ans:) 54 = 625 Combinations. How many bite of information is Carbiel when we distinguish blu 625 different follibrities?

Ane:) Loy (625) = 9.29 bite of info Carried in each Symbol.

Meanie of Transmission: Speeds transmitted than Dand Rate > Bit Rate Bowl hate: no of transmission symbols Per second (Gd) Bit Rute: - no. 20 bits Per second (6-PS) Bit hate = bauf fate x (The no. of useful bit arriver)

for Symbol ).

Then each symbol Carriel one but, the bit hate & Nourd Rote are equal. > It each symbol colories 2-4 whele bit hate & rik tinds > than the back hate. Encoding:[i) Manchester Encoding:- Ethernet 10 BaseT is Self Clocking). "+ve" to "-ve" voltage change = 0.
"-ve" to "+ve" voltage change = 1.



Cabel trodems:POCSIS - Pata over Cable Source Interpose
Specification.