Add 918 MHZ GB

Channel - 2 15-25 MHz

Add 1.9 MHz GIB

Channel - \$ 50451 MHZ biwbood muminim Add 9 MHZ GB

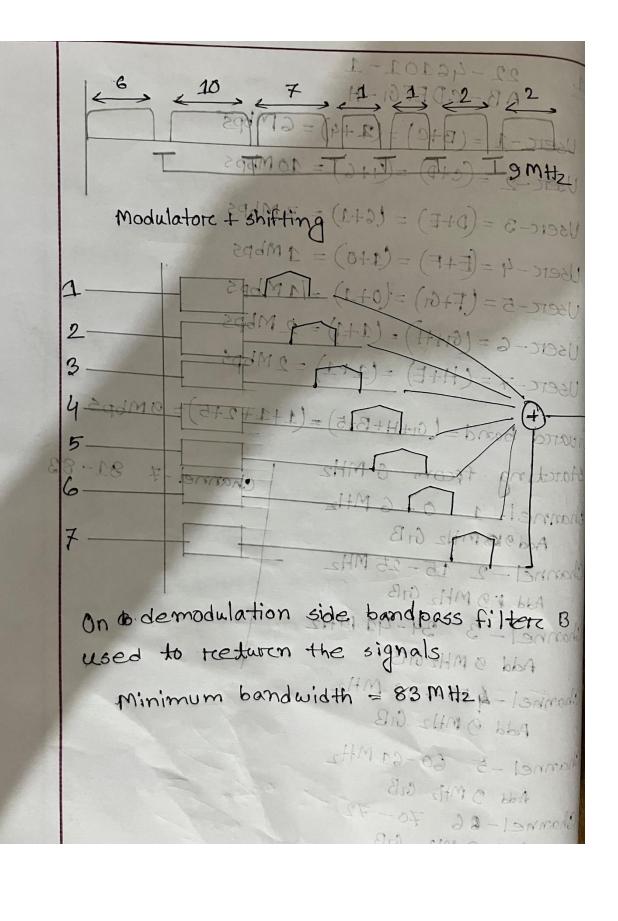
Channel -5 60-61 MHz

Add 3 MHz GzB

Channel-86 70-72

Add 9 MHZ GB

Channel -7 81-83



## 2. (4):

si tito = Trate = data trate (source) Soutice 1 = (B+C) = 6+1 = 7 mbps replaced with 2 2 = (H+E) = 2 6 Mbps (1) 3 2 (D+E) = 7 Mbps source 1 add extr " 4 = (01+H) = 2 Mbps 2 5 = (C+D) = 10 Mbps " 6 = (E+F) = 1+3 = 3 Mbps

forc less complicer Multiplexing weath 1 Mbps.

(+) so, statistical tom tack frame consits Source - 1 mis stuffed by 1 mbps to treach 7

Source-2, 4, 6 are added and reach 7 Mbps.

Source -5 213 converts with 1/2 and then Min ti Stuffed by 2 Mbps to treach 7 Mbps Source-5 is extra 5 Mbps stuffed by 2 Mbps to reach 7 Mbps. 29dM SE so

(b) so, data reate = 7 Mbps (from a)

(c) Force each charcacter = 1 bit at 7Mbps; 7x10° characters are sent perc 1s ~= 8114.285 MS = 142.85 mg

(d) Frame reate = data trate (source) 8+C) = 6+1= 7 mbps =7M frame perc second. the bound frome petal 1 second 29dM 2 = (H+H) = 2 Mbps 7x 166 (C+D) = 10 Mbps 29dM C = (1+7) = 1+3 = 3 Mbps " (f) so, statistical tom Each frame consits of bits than number of channal /sources. 50 we can assume it is 4125 is 4 bits perc framis. Dro 2, 1, 12-9271000 (9) Considering (f) at 7 mbps 4 bits are 290M = sent perc frame or 20 Mbps 29 Ms fore Bychroconus for all 8 bits it will be 32 MbPS EgdM & doon of (b) 50, doto rate - 7 Mbps (from a) (c) Force each character = 1 bit at 7 Mbps; fx 10° Characters once sent perc is 24 380 183 = " " " 1 20.001