CHAPTER-06

HOLMULTIPLEXING TO THE MULTIPLEXING HULTIPLEXING in the set of techniques that allows simultanour transmission of multiple rignals through Single data link.

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41. Frequency Division Multiplexing (Anio log)

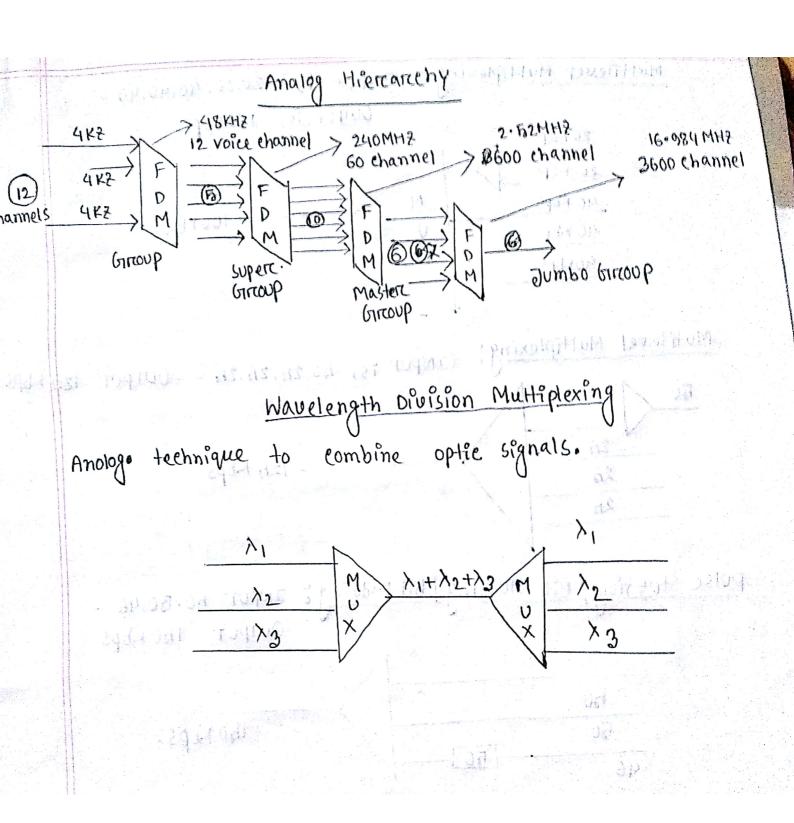
42. wavelength Division Muthplexing (Analog)

43. Time Division Multiplexing (Digital)

1. FDM: It in applicable when the bandwith of a signal in greater than the combined signals of the frequences to be transmitted. In FDM signals generated by Modulated diff cannien frequencier. These modulated signals are then combined to signal composite signal no.

Its a Analog Multiplexing technique to combine Analog Signala.

Mutiplexing processo Each source generater signal of Similar frequency. There signals modulate Different carrier frequenciers (f1, f2, f3). They are combined to signal composite signal that in nent out over a media link that has enough bandwith to accomodate. Carmient, +, Demodulator process %



THPUT 95, 20,20, 40,40,40 Startificate Multiplexing 8 OUTPUT is, 160 xbps. *okhpc 20 Kbps M 160 Kbps 40 rbps V 40 Kbps ·X 40xbps Mutilevel Multiplexing: INPUT 95, 50,25,25,25 --- DUTPUT 125 Kg neurod Atenativad 50 26 - 125 14bps 26 26 pulse stuffing Bit stuffing Bit padding o INPUT 50,50,46 --OUTPUT 150 Kbps 60 50 Tho Kbps. 50 46

