y was manda (b) Englain the different types of Mon whannel drs: The different types of non wharnel interference. 1) Adjacent channel interference: It can be climinated

by frequency assignment with -800 (fi fz) f2-1851 MHZ P2 -> 851-890 When the mobile wants to respond for f, of 850 M42 but because of interference and moving nature of mabile it will sperate for f2 of 851 MHZ is called adjacent channel interference. 2) Nent channel Interference: Nent channel interference affecting a particular mobile writ cannot be caused by transmitters in the common cell site, but must originate at several other cell sites., if the system is not designed properly. Sell site I (f) (f) f = 851 MH2 f1 = 850 MHZ 3) Neighbowing channel Interference: The channels which are several charnels away from the next channel will cause interference with the desired signal.

When the mobile open Cell with I for f, then if it was f1 -> 850 MHZ (h) (h) (h) soperate for to of rent f2 -> 860 MH2 channels will cause interporence with the desired signal, i.e a Sound set of serving channels is assigned to each cell site. Near End-Far end Interperance: in one cell: The mobiles in a given cell one usually moving some write are close to the cell rite and. some on not. The close in mobile unit has a strong signal which cause adjacent channel interference At the situation, near end for end interference can secur only at the securition point in the cell site. → If a separation of 58 (five channel bandwidths) à needed for two adjacent channels in a cell inorder to avoid the near end four end interference. dimilarly, this can be explained in cells of two systems. d2 5