

Q.1 Set. (A) In order to mitigate the co-channel interference effects the signal received at a base station from another base station operating with same channel should be less than -100 dBm. Determine the distance between co-channel cells for seven-cell and four-cell frequency reuse patter. The received signal power at reference distance of 1 m is 2 mW. Assume path loss exponent as 3 . [5]