1. The acronym WCDMA stands for
2. Multipath Propagation of the wireless channel leads to
3. The process by which the channel coefficient is constantly changing is termed as \_\_\_\_\_\_\_\_\_\_ and it arises due to \_\_\_\_\_\_\_\_\_
4. The probability density function of an exponential random variable with mean is
5. Which of the following is NOT a 3G Wireless Standard
6. The distribution of the phase of the Rayleigh fading channel coefficient is
7. The probability that the attenuation of the Rayleigh fading channel is worse than is
8. Consider a simple multipath propagation scenario with and. Let the delays. The net amplitude of the channel coefficient is
9. The real and imaginary parts of a standard wireless channel coefficient are assumed to be distributed as
10. What is the approximate SNR required to achieve BER of in the AWGN channel, where denotes the transmitted symbol and denotes the additive white Gaussian noise.

**Answer:**

1. Wideband Code division of Multiple Access

2. Superposition of multiple signals

3. Fading Process and arises due to multipath wireless communication environment.

4. let pdf be .

Now,

So, pdf will be

5. Options not mentioned here!

6.

7. let’s amplitude is a, then

8. we know,

after plugging out values we get,

which implies

9. Gaussian distribution

10. we have,