

MC Online Quiz4 on Unit No.1

* Required

1. Email address *

2. Class *

Mark only one oval.

☐ BE-A

☐ BE-B

3. Roll.No

4. Name of Student (Full Name)

5. 1.Fading is caused due to? *

1 point

Mark only one oval.

☐ Multi path propagation

☐ Obstacles

☐ Frequency variations at the source

☐ Variation in amplitude and phase at receiver

6. 2.Coherence time refers to? *

1 point

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☐ Time required to attain a call with the busy base station

☐ Time required for synchronization between the transmitter and the receiver

☐ Minimum time for change in magnitude and phase of the channel

☐ None of the above

7. 3. Fading due to shadowing is? *

1 point

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- ☐ Fading due to large obstructions
- ☐ Large coherence time of the channel as compared to the delay constraints
- ☐ Small coherence time of the channel as compared to the delay constraints
- ☐ Both a) and b)
- ☐ Both a) and c)

8. 4. Deep fade is? *

1 point

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- ☐ Strong destructive interference
- ☐ Drop in signal to noise ratio
- ☐ Temporary failure of message transfer
- ☐ All of the above

9. 5. Doppler spread refers to? *

1 point

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- ☐ Signal fading due to Doppler shift in the channel
- ☐ Temporary failure of message transfer
- ☐ Large coherence time of the channel as compared to the delay constraints
- ☐ All of the above

10. 6. The techniques used for small scale multipath measurements are? *

1 point

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- ☐ Direct RF pulse system
- ☐ Spread spectrum sliding correlator channel sounding
- ☐ Frequency domain channel sounding
- ☐ All of the above

11. 7.Direct RF pulse system helps in calculating? * 1 point

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- ☐ impulse response in frequency domain
- ☐ impulse response in phase domain
- ☐ power delay of the channel
- ☐ all of the above

12. 8.Impulse response of a multipath channel is determined by the fact that? * 1 point

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- ☐ Mobile radio channel may be modeled as linear filter
- ☐ Impulse response is time varying
- ☐ Both a) and b)
- ☐ None of the above

13. 9.The received signal from a multipath channel is expressed as? * 1 point

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- ☐ convolution of transmitted signal and impulse response
- ☐ addition of transmitted signal and impulse response
- ☐ subtraction of transmitted signal and impulse response
- ☐ none of the above
- ☐ all of the above

14. 10.Tpes of small scale fading, based on Doppler spread are? * 1 point

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- ☐ Fast fading
- ☐ frequency non selective fading
- ☐ Flat fading
- ☐ Frequency selective fading

