



## **NQ0-231**

**(3G Radio Network Planning)**

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## Question: 1

The Node B antenna gain is 17dB and receiver sensitivity 112 dBm, radiated power (EIRP) of user equipment( $U_e$ ) is 18 dBm and feeder cable loss is 3 dB. What is the MAXIMUM path loss?

- A. 114 dB
- B. 116 dB
- C. 144 dB
- D. 147 dB

Answer: C

## Question: 2

What is the interference margin for 50% and 90% network loads?

- A. 3.0 dB and 10.0 dB.
- B. 5.0 dB and 1.5 dB.
- C. 3.0 dB and 7.0 dB.
- D. 4.0 dB and 10.0 dB.

Answer: A

## Question: 3

Which one of the following services has the HIGHEST processing gain?

- A. 12.2 kbps AMR voice.
- B. 64 kbps NRT data.
- C. 64 kbps NRT data.
- D. 384 kbps NRT data.

Answer: A

## Question: 4

The required  $E_b/N_0$  value is dependent on which one of the following factors?

- A. Base station antenna gain.
- B. Speed of the user equipment ( $U_e$ ).
- C. Fast fading margin.
- D. Body loss.

Answer: B

Question: 5

The most appropriate

- A. improve the do
- B. maintain the fa
- C. compensate slo
- D. increase the tr

Answer: B

Question: 6

If the cell radius is 2  
 (in coverage-limited  
 area is 1.95)?

- A. 5
- B. 8
- C. 13
- D. 19

many 3-sector sites  
 a (k factor for site

Answer: C

Question: 7

If the cell range old  
 size of the cell area

- A. 12.31
- B. 12.32
- C. 12.33
- D. 16.

3 km, what is the  
 .6)?

Answer: B

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