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181063/171063/
121063/31063

6th Sem / Branch : Eltx.

**Sub.: Wireless & Mobile Communication/ Digital &
Data Communication Engg.**

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 2G standards support

- a) Limited internet browsing
- b) Short Messaging Service
- c) Both A & B
- d) None of the above

Q.2 3G W-CDMA is also known as

- a) UMTS b) DECT
- c) DCS-1800 d) ETACS

Q.3 The interference between the neighboring base stations is avoided by

- a) Assigning different group of channels
- b) Using transmitters with different power level
- c) Using different antennas
- d) All of the above

Q.4 The shape of the cellular region for maximum radio coverage is

- a) Circular b) Square
- c) Oval d) Hexagon

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Q.5 Interference in cellular systems is caused by

- a) Two base stations operating in same frequency band
- b) Two calls in progress in nearby mobile stations
- c) Leakage of energy signals by non cellular systems into cellular frequency band
- d) All of the above

Q.6 FDMA is the division of

- a) Time b) Phase
- c) Spectrum d) Amplitude

Q.7 The minimum spectrum allocation required for W-CDMA is

- a) 5 MHz b) 2 MHz
- c) 500 KHz d) 100 KHz

Q.8 Dwell time is the time for

- a) A call within the cell
- b) Hand off
- c) Waiting for channel allocation
- d) None of the above

Q.9 The coherence time of the channel is smaller than the symbol period of the transmitted signal, it is

- a) Fast fading
- b) Slow fading
- c) Frequency selective fading
- d) Frequency non selective fading

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