

Code No: 58032

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

WIRELESS COMMUNICATION AND NETWORKS

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. Common channel signalling implies dedicated, parallel channels, it is implemented in _____ for serial data transmission. []
a) TDM b) FDM c) DM d) PCM
2. In Cellular Digital Packet Data the channel Data rate is _____ []
a) 9600 b) 19200 c) 25600 d) 51200
3. The basic unit of networking in a bluetooth is _____ []
a) dot net b) Scoop c) Pico net d) Delta net
4. IS-95 CDMA forward channel and IS-95 CDMA reverse channel are separated by ____ MHz. []
a) 10 b) 20 c) 30 d) 40
5. Typical coverage area of a wireless LAN has a diameter of _____ []
a) 50-250m b) 100-300m c) 150-350m d) 200-400m
6. Data rate for HIPERLAN is _____ MBPS []
a) 22.5 b) 23.5 c) 24.5 d) 25.5
7. Reasons for using OFDM in new broadband systems []
a) Most broadband systems are subject to multipath transmission
b) Simple DSP algorithms
c) High Data Rates d) All the above
8. For 2048 point IFFT _____ subcarriers used []
a) 1705 b) 1605 c) 1805 d) 1505
9. OFDM used in _____ and _____ []
a) solution to multipath and DSP algorithms b) Power and spectrum
c) energy and power d) None of the above
10. From the following which is not a advantage of OFDM []
a) Efficiently Deals With Multi-path Fading b) Efficiently Deals With Channel Delay Spread
c) Enhanced Channel Capacity d) Robustness to wideband Interference

Cont.....2

II Fill in the Blanks:

11. In Cellular Digital Packet Data the spectrum efficiency is _____
12. Two general routing services are provided by network are _____, _____
13. The available channel _____ for fixed networks can be increased by installing high capacity cables (fiber optic or coaxial cable).
14. _____ Provides security services between Mobile device and client.
15. Modulation technique for Bluetooth is _____
16. _____ standard is referred as a regulatory domain update
17. HIPERLAN is _____ service.
18. ATM is _____ technique.
19. HYPERLAN/2 bandwidth is _____.
20. OFDM is multicarrier system uses Discrete Fourier Transform / Fast Fourier Transform and $\sin(x)/x$ spectra for _____.

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Set No. 2

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IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

WIRELESS COMMUNICATION AND NETWORKS

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. IS-95 CDMA forward channel and IS-95 CDMA reverse channel are separated by ____ MHz. []
a) 10 b) 20 c) 30 d) 40
2. Typical coverage area of a wireless LAN has a diameter of ____ []
a) 50-250m b) 100-300m c) 150-350m d) 200-400m
3. Data rate for HIPERLAN is ____ MBPS []
a) 22.5 b) 23.5 c) 24.5 d) 25.5
4. Reasons for using OFDM in new broadband systems []
a) Most broadband systems are subject to multipath transmission
b) Simple DSP algorithms
c) High Data Rates d) All the above
5. For 2048 point IFFT ____ subcarriers used []
a) 1705 b) 1605 c) 1805 d) 1505
6. OFDM used in ____ and ____ []
a) solution to multipath and DSP algorithms. b) Power and spectrum
c) energy and power d) None of the above
7. From the following which is not a advantage of OFDM []
a) Efficiently Deals With Multi-path Fading b) Efficiently Deals With Channel Delay Spread
c) Enhanced Channel Capacity d) Robustness to wideband Interference
8. Common channel signalling implies dedicated, parallel channels, it is implemented in ____ for serial data transmission. []
a) TDM b) FDM c) DM d) PCM
9. In Cellular Digital Packet Data the channel Data rate is ____ []
a) 9600 b) 19200 c) 25600 d) 51200
10. The basic unit of networking in a bluetooth is ____ []
a) dot net b) Scoop c) Pico net d) Delta net

Cont.....2

II Fill in the Blanks:

11. _____ Provides security services between Mobile device and client.
12. Modulation technique for Bluetooth is _____
13. _____ standard is referred as a regulatory domain update
14. HIPERLAN is _____ service.
15. ATM is _____ technique.
16. HYPERLAN/2 bandwidth is _____.
17. OFDM is multicarrier system uses Discrete Fourier Transform / Fast Fourier Transform and $\sin(x)/x$ spectra for _____.
18. In Cellular Digital Packet Data the spectrum efficiency is _____
19. Two general routing services are provided by network are _____, _____
20. The available channel _____ for fixed networks can be increased by installing high capacity cables (fiber optic or coaxial cable).

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Code No: 58032

Set No. 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV B.Tech. II Sem., II Mid-Term Examinations, April-2014

WIRELESS COMMUNICATION AND NETWORKS

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. Data rate for HIPERLAN is _____ MBPS []
a) 22.5 b) 23.5 c) 24.5 d) 25.5
2. Reasons for using OFDM in new broadband systems []
a) Most broadband systems are subject to multipath transmission
b) Simple DSP algorithms
c) High Data Rates d) All the above
3. For 2048 point IFFT _____ subcarriers used []
a) 1705 b) 1605 c) 1805 d) 1505
4. OFDM used in _____ and _____ []
a) solution to multipath and DSP algorithms. b) Power and spectrum
c) energy and power d) None of the above
5. From the following which is not a advantage of OFDM []
a) Efficiently Deals With Multi-path Fading b) Efficiently Deals With Channel Delay Spread
c) Enhanced Channel Capacity d) Robustness to wideband Interference
6. Common channel signalling implies dedicated, parallel channels, it is implemented in _____ for serial data transmission. []
a) TDM b) FDM c) DM d) PCM
7. In Cellular Digital Packet Data the channel Data rate is _____ []
a) 9600 b) 19200 c) 25600 d) 51200
8. The basic unit of networking in a bluetooth is _____ []
a) dot net b) Scoop c) Pico net d) Delta net
9. IS-95 CDMA forward channel and IS-95 CDMA reverse channel are separated by ____ MHz. []
a) 10 b) 20 c) 30 d) 40
10. Typical coverage area of a wireless LAN has a diameter of _____ []
a) 50-250m b) 100-300m c) 150-350m d) 200-400m

Cont.....2

II Fill in the Blanks:

11. _____ standard is referred as a regulatory domain update
12. HIPERLAN is _____ service.
13. ATM is _____ technique.
14. HYPERLAN/2 bandwidth is _____.
15. OFDM is multicarrier system uses Discrete Fourier Transform / Fast Fourier Transform and $\sin(x)/x$ spectra for _____.
16. In Cellular Digital Packet Data the spectrum efficiency is _____
17. Two general routing services are provided by network are _____, _____
18. The available channel _____ for fixed networks can be increased by installing high capacity cables (fiber optic or coaxial cable).
19. _____ Provides security services between Mobile device and client.
20. Modulation technique for Bluetooth is _____

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Set No. 4

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Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I. Choose the correct alternative:

1. For 2048 point IFFT _____ subcarriers used []
a) 1705 b) 1605 c) 1805 d) 1505
2. OFDM used in _____ and _____ []
a) solution to multipath and DSP algorithms. b) Power and spectrum
c) energy and power d) None of the above
3. From the following which is not a advantage of OFDM []
a) Efficiently Deals With Multi-path Fading b) Efficiently Deals With Channel Delay Spread
c) Enhanced Channel Capacity d) Robustness to wideband Interference
4. Common channel signalling implies dedicated, parallel channels, it is implemented in _____ for serial data transmission. []
a) TDM b) FDM c) DM d) PCM
5. In Cellular Digital Packet Data the channel Data rate is _____ []
a) 9600 b) 19200 c) 25600 d) 51200
6. The basic unit of networking in a bluetooth is _____ []
a) dot net b) Scoop c) Pico net d) Delta net
7. IS-95 CDMA forward channel and IS-95 CDMA reverse channel are separated by ____ MHz. []
a) 10 b) 20 c) 30 d) 40
8. Typical coverage area of a wireless LAN has a diameter of _____ []
a) 50-250m b) 100-300m c) 150-350m d) 200-400m
9. Data rate for HIPERLAN is _____ MBPS []
a) 22.5 b) 23.5 c) 24.5 d) 25.5
10. Reasons for using OFDM in new broadband systems []
a) Most broadband systems are subject to multipath transmission
b) Simple DSP algorithms
c) High Data Rates d) All the above

Cont.....2

II Fill in the Blanks:

11. ATM is _____ technique.
12. HYPERLAN/2 bandwidth is _____.
13. OFDM is multicarrier system uses Discrete Fourier Transform / Fast Fourier Transform and $\sin(x)/x$ spectra for _____.
14. In Cellular Digital Packet Data the spectrum efficiency is _____
15. Two general routing services are provided by network are _____, _____
16. The available channel _____ for fixed networks can be increased by installing high capacity cables (fiber optic or coaxial cable).
17. _____ Provides security services between Mobile device and client.
18. Modulation technique for Bluetooth is _____
19. _____ standard is referred as a regulatory domain update.
20. HIPERLAN is _____ service.

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