University of Mumbai
Examination 2020 under cluster 5 (APSIT)

Program: BE Information Technology

Curriculum Scheme: Revised 2012

Examination: Final Year Semester VII

Course Code: BEITC704 and Course Name: Wireless Technology

Time: 1-hour   Max. Marks: 50

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Note to the students: - All the Questions are compulsory and carry equal marks.

Q1.	3G W-CDMA is also known as
Option A:	UMTS
Option B:	DECT
Option C:	DCS-1800
Option D:	ETACS
Q2.	Fading of the received radio signals in a mobile communication environment occurs because of ….
Option A:	Direct propagation
Option B:	Multipath Propagation
Option C:	Bi-path Propagation
Option D:	Bi-polar Propagation
Q3.	In ………….. Frequency Spectrum is divided into smaller spectra and is allocated to each user
Option A:	TDMA
Option B:	CDMA
Option C:	FDMA
Option D:	FGMA
Q4.	In …………….. multiple access is achieved by allocating different time slots for the different users
Option A:	TDMA
Option B:	CDMA
Option C:	FDMA
Option D:	FGMA
Q5.	Which of the following measures spectrum efficiency of a wireless system?
Option A:	Channel capacity
Option B:	Radio capacity
Option C:	Spectral capacity
Option D:	Carrier capacity

Q6.	If D is the distance between co-channel cells and R be the cell radius, co-channel reuse ratio is given by _____
Option A:	D*R
Option B:	D^2/R
Option C:	D/R
Option D:	D/R^2
Q7.	Frequency reuse factor for CDMA system is _____
Option A:	One
Option B:	Two
Option C:	Zero
Option D:	Ten
Q8.	_____ is the maximum number of channels that can be provided in a fixed frequency band
Option A:	Channel capacity
Option B:	Radio capacity
Option C:	Spectral capacity
Option D:	Carrier capacity
Q9.	Which of the following is not a characteristic of cellular telephone system?
Option A:	Accommodate a large number of users
Option B:	Large geographic area
Option C:	Limited frequency spectrum
Option D:	Large frequency spectrum
Q10.	What is the frequency range of the IEEE 802.11a standard?
Option A:	2.4Gbps
Option B:	5Gbps
Option C:	2.4GHz
Option D:	5GHz
Q11.	What is the maximum distance running the lowest data rate for 802.11b?
Option A:	About 100 feet
Option B:	About 175 feet
Option C:	About 300 feet
Option D:	About 350 feet
Q12.	What is the access point (AP) in a wireless LAN?
Option A:	Device that allows wireless devices to connect to a wired network
Option B:	Wireless devices itself
Option C:	Both device that allows wireless devices to connect to a wired network and wireless devices itself
Option D:	All the nodes in the network

Q13.	In wireless ad-hoc network _____
Option A:	Access point is not required
Option B:	Access point is must
Option C:	Nodes are not required
Option D:	All nodes are access points
Q14.	Which multiple access technique is used by IEEE 802.11 standard for wireless LAN?
Option A:	CDMA
Option B:	CSMA/CA
Option C:	ALOHA
Option D:	CSMA/CD
Q15.	In wireless distribution system _____
Option A:	Access points are not required
Option B:	Multiple access point is inter-connected with each other
Option C:	There is no access point
Option D:	Only one access point exists
Q16.	Bluetooth is the wireless technology for _____
Option A:	Local area network
Option B:	Personal area network
Option C:	Metropolitan area network
Option D:	Wide area network
Q17.	In a piconet, there can be up to _____ parked nodes in the network
Option A:	63
Option B:	127
Option C:	255
Option D:	511
Q18.	Which of the following are problems in the context of wi-fi MAC DESIGN? Select all that apply
Option A:	Hidden node and Exposed node problem
Option B:	Near far Problem
Option C:	Cell breathing problem
Option D:	Long range
Q19.	Frequency bands of Wi-Fi
Option A:	4GHz
Option B:	5GHz and 2.4 GHz
Option C:	2.4 GHz
Option D:	87MHz

Q20.	What is the IEEE standard for WiMAX?
Option A:	802.16
Option B:	802.11
Option C:	802.11a
Option D:	802.15
Q21.	WiMAX stands for?
Option A:	Worldwide Interoperability for Microwave Access
Option B:	Worldwide Interference for Microwave Access
Option C:	Wireless Interoperability for Microwave Access
Option D:	Worldwide Interoperability for Multiple Access
Q22.	Wireless LANs implement security measures in the
Option A:	System Layers.
Option B:	Data Link Layers
Option C:	Sub Layers
Option D:	Multi Layers
Q23.	IPsec involves which two security services
Option A:	Authentication Header and Encapsulating Security payload
Option B:	Authentication Header and Encapsulating Security services
Option C:	Authentication Header and Encrypted Security payload
Option D:	Authentication Header and Encrypted Security
Q24.	Having less or no cables in network is the benefit of _____
Option A:	Wired network
Option B:	Composite network
Option C:	Pulse modulation
Option D:	Wireless networks
Q25.	Temporary networks is one of the benefits of wireless networks because
Option A:	It is easy to deploy
Option B:	Hard to install
Option C:	Take time to deploy
Option D:	Hard to remove