University of Mumbai
Examination 2020 under cluster 2 (FRCRCE)

Program: BE INFORMATION TECHNOLOGY

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: ITC604 and Course Name: WIRELESS NETWORK

Time: 1 hour   Max. Marks: 50

==

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

Q1.	Which of the following is not a characteristic of Zigbee network
Option A:	Low power consumption
Option B:	Easy installation
Option C:	High data rates
Option D:	Unlicensed radio bands
Q2.	Which of the following is not a Zigbee network topology
Option A:	Ring
Option B:	Star
Option C:	Tree
Option D:	Bus
Q3.	A computer network used for communication among computer devices close to one person is called as:
Option A:	Personal Area Network (PAN)
Option B:	Wireless Sensor Networks (WSN)
Option C:	Wireless Local Area Network (WLAN)
Option D:	Mesh Network
Q4.	A small geographical perimeter within which a wireless access point provides service to a number of users is called as:
Option A:	Hotspot
Option B:	Infrared
Option C:	Wireless
Option D:	Bluetooth
Q5.	In WEP, an initialization vector (IV) is
Option A:	a number that can be used for data encryption.
Option B:	an arbitrary number that can be used for data encryption.
Option C:	an arbitrary number that can be used along with a secret key for data encryption.
Option D:	a number that can be used along with a secret key for data encryption.

Q6.	In IEEE 802.11, when a frame is going from one AP to another AP in a wireless distribution system, the address flag is
Option A:	10
Option B:	01
Option C:	11
Option D:	00
Q7.	What type of duplexing is supported by LTE Technology?
Option A:	FDD
Option B:	TDD
Option C:	FDD & TDD
Option D:	OFD
Q8.	Which of these is used to store the secret key in the GSM network?
Option A:	HLR
Option B:	VLR
Option C:	AUC
Option D:	EIR
Q9.	W bit of the Frame Control Field in WEP specifies
Option A:	that a sequence of frames with this bit on must be processed strictly in order.
Option B:	that the frame body has been encrypted using the WEP (Wired Equivalent Privacy) algorithm.
Option C:	that more fragments will follow.
Option D:	that the frame is going to or coming from the intercell distribution system
Q10.	How many elements comprise the Cisco UWN architecture
Option A:	20
Option B:	15
Option C:	10
Option D:	5
Q11.	PKC is used in Cisco UWN for
Option A:	Intra-controller Roaming
Option B:	Establishing Connection between AP and WLC
Option C:	Providing Security
Option D:	Routing traffic
Q12.	"When fraud access points are created to access information such as passwords." Which type of Wireless network threat would you classify this under?
Option A:	Identity Theft
Option B:	Network Injection
Option C:	Man in the middle attack

Option D:	Malicious Association
Q13.	IN Cisco UWN, what does UWN stand for
Option A:	Universal Wireless Network
Option B:	Universal Wired Network
Option C:	Uninterruptable Wireless Network
Option D:	Unified Wireless Network
Q14.	Which of the following is **NOT** a part of GSM Systems Architecture?
Option A:	PSTN
Option B:	MSC
Option C:	BTS
Option D:	BSC
Q15.	Which of these is not an enabling technology for ad hoc networks
Option A:	IEEE 802.15.4
Option B:	IEEE.802.3
Option C:	IEEE 802.11
Option D:	IEEE 802.16
Q16.	Major reason for failure of wireless sensor is
Option A:	Breaking of Sensor
Option B:	Power failure
Option C:	Failure of Sensor
Option D:	Addition of new sensors
Q17.	In which mode, devices in a wireless network can directly communicate with each other
Option A:	Infrastructure
Option B:	Physical
Option C:	Digital
Option D:	Ad Hoc
Q18.	Moving of mobile nodes in and out of the MANET changes its
Option A:	Transmission range
Option B:	Transmission speed
Option C:	Bandwidth
Option D:	Topology
Q19.	A MANET does not have the following problem
Option A:	Security
Option B:	Node Cooperation
Option C:	Quick network setup
Option D:	Routing

Q20.	Which of the following uses CDMA/DSSS?
Option A:	IS-95
Option B:	GPRS
Option C:	EDGE
Option D:	GSM
Q21.	Which of these mobile generations employed hard and horizontal handoff
Option A:	1G
Option B:	2G
Option C:	3G
Option D:	4G
Q22.	Which of these demand rigorous and demanding reliability and delay constraints
Option A:	MANET
Option B:	VANET
Option C:	WSN
Option D:	WLAN
Q23.	A wireless communication channel has 1MHz bandwidth and 24 dB SNR. What will be the channel capacity?
Option A:	1 Mbps
Option B:	8 Mbps
Option C:	10 Mbps
Option D:	4.5 Mbps
Q24.	How many WLANs are supported on WLC in a Cisco UWN
Option A:	13
Option B:	15
Option C:	16
Option D:	512
Q25.	Super High Frequency (SHF) (3-30 GHz) radio waves are primarily used in
Option A:	Marine radio communication
Option B:	TV transmission
Option C:	Satellite communication
Option D:	AM radio communication