

**University of Mumbai**  
**Examination 2020 under cluster 4 (PCE)**

Program: TE Information Technology  
Curriculum Scheme: Rev2016  
Examination: Third Year Semester VI  
Course Code: ITC604 and Course Name: Wireless Networks

Time: 1 hour

Max. Marks: 50

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

Q1.	GSM corresponds to which generation?
Option A:	1G
Option B:	1.5G
Option C:	2G
Option D:	3G
Q2.	What is the type signalling between Mobile Station and Base Transceiver Station in a 2G technology?
Option A:	Analog
Option B:	Digital
Option C:	Discrete
Option D:	Dampened
Q3.	GSM stands for?
Option A:	Global System for Mobile Communication
Option B:	Global Service for Mobile Communication
Option C:	Geo Synchronous Mobile Communication
Option D:	Global system for mic communication
Q4.	Who developed standards for GSM technology?
Option A:	ANSI - American National Standards Institute
Option B:	ETSI - European Telecommunications Standards Institute
Option C:	IEEE - Institute of Electrical and Electronics Engineers
Option D:	Internet standard organization
Q5.	Which of the following is not a characteristic of 3G network?
Option A:	Communication over VoIP
Option B:	Unparalleled network capacity
Option C:	Multi-megabit Internet access
Option D:	LTE based network
Q6.	The cells having different set of frequencies and cells having same set of frequencies are called as _____
Option A:	neighboring Cells, co-channel cells
Option B:	co-channel cells, Adjacent cells
Option C:	immediate Neighboring Cells, Far away cells
Option D:	Clusters and Co-channel cells
Q7.	Select the most appropriate objective(s) of channel assignemnet startegies to cells.
Option A:	maximize interference

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Option B:	increase capacity and minimise interference
Option C:	minimize capacity
Option D:	allocate channels
Q8.	Name the database of GSM network which contains a list of mobile phones that are either monitored, stolen or have been banned from the network
Option A:	HLR
Option B:	EIR
Option C:	VLR
Option D:	AUC
Q9.	What wireless network mode is being used when an office worker connects to a WLAN BSS from his desktop?
Option A:	Ad-hoc
Option B:	Fixed-base
Option C:	infrastructure
Option D:	Roaming
Q10.	In infrastructure mode, all the wireless stations on the WLAN communicate directly and only with an access point to create a _____ Service Set.
Option A:	Independent Basic
Option B:	Basic
Option C:	Extended
Option D:	Ethernet
Q11.	The core concept used in Cellular technology is
Option A:	TDM
Option B:	Code reuse
Option C:	Frequency Reuse
Option D:	frequency duplicate
Q12.	WiMAX provides _____
Option A:	VoIP services
Option B:	IPTV services
Option C:	VoIP and IPTV services
Option D:	CSP Connectivity
Q13.	The 'Li-fi' uses which of the following means to provide internet access?
Option A:	Radio waves suspended in spectrum
Option B:	Radio waves suspended in spectrum
Option C:	Infra red waves
Option D:	Ultra Violet wave
Q14.	Mi-Fi routers comprise of two main parts:
Option A:	Modem and Switch
Option B:	Switch and Hub
Option C:	Modem and Wi-Fi router

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Option D:	Gateways and Repeaters
Q15.	When basic service points are connected, the station within reach can communicate without the use of an
Option A:	Adhoc network
Option B:	Infrastructure network
Option C:	stationary station
Option D:	Access point
Q16.	Cisco APs can be either
Option A:	Autonomous or Lightweight
Option B:	Non Autonomous
Option C:	Lightweight
Option D:	Autonomous
Q17.	Autonomous APs may be configured with Cisco Works WLSE (Wireless LAN Solutions Engine) Express as
Option A:	Autonomous Node
Option B:	Complete WLAN Management solution
Option C:	Wireless Mesh Networking
Option D:	Access Point
Q18.	CISCO defined lightweight APs are called
Option A:	Autonomous Aps
Option B:	Simple Aps
Option C:	Decentralized APs
Option D:	Centralized APs
Q19.	The Cisco UWN stand for
Option A:	Cisco Unified Wireless Network
Option B:	Cisco Undefined Wireless Network
Option C:	Cisco United Wireless Network
Option D:	Cisco Union Wireless Network
Q20.	Client devices, Lightweight Aps, Network unification, Network management and Mobility services are the five interconnected elements of _____
Option A:	Cisco Unified Wireless Network
Option B:	Cisco Undefined Wireless Network
Option C:	Cisco United Wireless Network
Option D:	Cisco Union Wireless Network
Q21.	The ZigBee Smart Energy 2.0 specifications define an _____
Option A:	Internet direct Communication protocol
Option B:	Internet Protocol based Communication protocol
Option C:	Internet service protocol
Option D:	Hyper Text Transport Protocol
Q22.	Pretty Good Privacy (PGP) is an encryption system used for both sending

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	encrypted emails and -----.
Option A:	decrypting sensitive files
Option B:	breaking files
Option C:	evosdropping sensitive files
Option D:	encrypting sensitive files
Q23.	A----is a network security device that monitors incoming and outgoing network traffic and permits or blocks data packets based on a set of security rules.
Option A:	firewall
Option B:	network
Option C:	monitoring
Option D:	data link protocol
Q24.	What is S/MIME ?
Option A:	Secure/Multipurpose Internet Mail Extension
Option B:	System/Multipurpose Internet Mail Extension
Option C:	Secure/Multiinput Internet Mail Extension
Option D:	Secure/Multipurpose Internet Mail Exitance
Q25.	S/MIME provides a consistent means to send and receive secure _____ data
Option A:	MIME
Option B:	MIMO
Option C:	MOMI
Option D:	MMIO

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<b>Question</b>	<b>Correct Option (Enter either 'A' or 'B' or 'C' or 'D')</b>
Q1.	C
Q2.	B
Q3.	A
Q4	B
Q5	D
Q6	A
Q7	B
Q8.	B
Q9.	C
Q10.	B
Q11.	C
Q12.	C
Q13.	B
Q14.	C
Q15.	D
Q16.	A
Q17.	B
Q18.	D
Q19.	A
Q20.	A
Q21.	B
Q22.	D
Q23.	A
Q24.	A
Q25.	A