

Program: BE Computer Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: CPC604 and Course Name: Mobile Communication and Computing

Time: 1 hour

Max. Marks: 50

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

Q1.	_____ 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
Q2.	The basic requirements of transmitting antennas are:
Option A:	High efficiency
Option B:	High side lobe
Option C:	Large signal to noise ratio
Option D:	Low side lobes
Q3.	The satellite that is used as a relay to extend communication distance is called as _____
Option A:	Relay satellites
Option B:	Communication satellites
Option C:	Repeater satellites
Option D:	Geosynchronous satellites
Q4.	Who sets the standards of GSM?
Option A:	ITU
Option B:	AT & T
Option C:	ETSI
Option D:	USDC
Q5.	_____ supports the operation and maintenance of GSM.
Option A:	BSS
Option B:	NSS
Option C:	OSS
Option D:	MSC

Q6.	_____ carries signalling and synchronizing commands.
Option A:	Traffic channels
Option B:	Control channels
Option C:	Signalling channel
Option D:	Forward channels
Q7.	Which of the following burst is used to access service from any base station?
Option A:	TCH
Option B:	RACH
Option C:	SCH
Option D:	FCCH
Q8.	What is frequency reuse?
Option A:	Process of selecting and allocating channels
Option B:	Process of selection of mobile users
Option C:	Process of selecting frequency of mobile equipment
Option D:	Process of selection of number of cells
Q9.	Which of the following is a universally adopted shape of cell?
Option A:	Hexagon
Option B:	Square
Option C:	Triangle
Option D:	Circle
Q10.	What is the full form of UMTS?
Option A:	Universal Mobile Telephone System
Option B:	Ubiquitous Mobile Telephone System
Option C:	Ubiquitous Mobile Telemetry System
Option D:	Universal Machine Telemedicine System
Q11.	What is the minimum spectrum allocation required by W-CDMA?
Option A:	5 MHz
Option B:	20MHz
Option C:	1.25 MHz
Option D:	200 KHz
Q12.	How much increase in spectral efficiency is provided by W-CDMA in comparison to GSM?
Option A:	Two times
Option B:	Three times
Option C:	Six times
Option D:	No increase
Q13.	What layer in the TCP/IP stack is equivalent to the Transport layer of the OSI model?

Option A:	Application
Option B:	Host to host
Option C:	Internet
Option D:	Network Access
Q14.	What is the condition for handoff?
Option A:	A mobile moves into a different cell while in conversation
Option B:	A mobile remains in the same cell while in conversation
Option C:	A mobile moves to different cell when idle
Option D:	A mobile remains in the same cell and is idle
Q15.	An interconnected collection of piconet is called _____
Option A:	scatternet
Option B:	micronet
Option C:	mininet
Option D:	multinet
Q16.	A scatternet can have maximum _____
Option A:	10 piconets
Option B:	20 piconets
Option C:	30 piconets
Option D:	40 piconets
Q17.	Which of the following is not a standard of WLAN?
Option A:	HIPER-LAN
Option B:	HIPERLAN/2
Option C:	IEEE 802.11b
Option D:	AMPS
Q18.	What is the name of the European WLAN standard that provides user data rate upto 54 Mbps?
Option A:	UNII
Option B:	WISP
Option C:	MMAC
Option D:	HIPERLAN/2
Q19.	Android is__
Option A:	Web browser
Option B:	Web server
Option C:	Operating System
Option D:	Block Chain
Q20.	The process of transforming plain text into unreadable text.
Option A:	Decryption
Option B:	Encryption
Option C:	Network Security

Option D:	Information Hiding
Q21.	The full form of SSL is
Option A:	Serial Session Layer
Option B:	Secure Socket Layer
Option C:	Session Secure Layer
Option D:	Series Socket Layer
Q22.	The variant of HMAC is
Option A:	testword
Option B:	checkword
Option C:	testbits
Option D:	NMAC
Q23.	Another name for Message authentication codes is
Option A:	cryptographic codebreak
Option B:	cryptographic codesum
Option C:	cryptographic checksum
Option D:	cryptographic checkbreak
Q24.	What are the common security threats?
Option A:	File Shredding
Option B:	File sharing and permission
Option C:	File corrupting
Option D:	File integrity
Q25.	Capacity of a cellular system is directly proportional to _____
Option A:	Number of cells
Option B:	Number of times a cluster is replicated
Option C:	Number of Base stations
Option D:	Number of users