

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

Program: BE Computer Engineering

Curriculum Scheme: Rev2016

Examination: Final Year Semester VII

Course Code: CSC702 and Course Name: Mobile Communication and Computing

Time: 1 hour

Max. Marks: 50

---

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

Q1.	Which cellular phone system will provide universal personal communication.
Option A:	Third-generation
Option B:	Second-generation
Option C:	First-generation
Option D:	Fourth -generation
Q2.	Which problem occurs in 1G Network, when the process of intercepting analog signals from the phone to tower/BTS, copying ESN number of talking phone to the programmable phone and making calls freely.
Option A:	Skimming
Option B:	Banning
Option C:	Eve's Dropping
Option D:	Cloning
Q3.	The term "Cellular Communication" was introduced by which GSM frequency band?
Option A:	900MHz
Option B:	1800MHz
Option C:	850MHz
Option D:	1900MHz
Q4.	UMTS does not has backward compatibility with _____
Option A:	GSM
Option B:	IS-136
Option C:	IS-95
Option D:	GPRS
Q5.	Frame length of UTRAN is _____
Option A:	20ms
Option B:	10ms
Option C:	5ms
Option D:	100ms
Q6.	In GSM, cipher key is generated using _____
Option A:	A3
Option B:	A5
Option C:	A8
Option D:	A1

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

Q7.	GPRS encryption algorithms are _____
Option A:	GEA
Option B:	GEA/1.1
Option C:	GEA/1.2
Option D:	GEA/3
Q8.	What is the name of the BSC equivalent part in a 3G mobile network?
Option A:	Controller
Option B:	Radio Network Controller
Option C:	Radio Switch Controller
Option D:	Radio Command Center
Q9.	DSR is
Option A:	reactive
Option B:	proactive
Option C:	periodic
Option D:	non periodic
Q10.	In DSDV during table update in Incremental update,
Option A:	only entries that are changed are updated.
Option B:	a partial routing table is sent to all neighbours.
Option C:	Entire routing table is sent to all neighbours.
Option D:	Entire routing table is sent to specific neighbours.
Q11.	In DSR,route (RREP) discovery packets are
Option A:	Broadcast
Option B:	unicast
Option C:	multicast
Option D:	batch wise sent
Q12.	In DSR,route (RERR) discovery packets are
Option A:	Route registration
Option B:	Route reply
Option C:	Route request
Option D:	Route error
Q13.	Selective retransmission,
Option A:	retransmit only lost data.
Option B:	splits TCP connection,chokes sender via window size.
Option C:	splits TCP connection into two connection
Option D:	snoops data and acknowledgement ,local retransmission.
Q14.	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

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

Q15.	Aircrack is actually a suite of tools that provides everything you need to crack _____
Option A:	DOS
Option B:	WPA
Option C:	WEP
Option D:	Eavesdropping
Q16.	Mobility within an ATM network is provided by _____
Option A:	Mobile ATM (MATM)
Option B:	ATM mobility extension service (AMES)
Option C:	Wireless ATM (WATM)
Option D:	Enhanced ATM (ETM)
Q17.	The act of finding and marking the locations and status of wireless networks is called as _____
Option A:	Wardriving
Option B:	Warchalking
Option C:	War flying
Option D:	NetStumbler
Q18.	WEP was designed to provide the _____ which is based on the _____ symmetric encryption standard.
Option A:	Security, SHA1
Option B:	Privacy, RC4
Option C:	Encryption, MD5
Option D:	Authentication, AES
Q19.	Optimized Mobile IP has additional _____ messages.
Option A:	2
Option B:	3
Option C:	4
Option D:	1
Q20.	Hierarchical mobile IPv6 (HMIPv6) provides micro-mobility by installing:
Option A:	Mobility Anchor Point (MAP)
Option B:	Crossover Router
Option C:	CIP Gateway
Option D:	Foreign Agent
Q21.	To inform CN about node not being current FA and still decapsulating packet for MN the node uses _____ message
Option A:	Binding Request
Option B:	Binding Update
Option C:	Binding Acknowledgement
Option D:	Binding Warning
Q22.	LTE created as an upgrade to

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

Option A:	3G
Option B:	4G
Option C:	WCDMA
Option D:	5G
Q23.	Which RLC mode adds the least amount of delay to user traffic?
Option A:	Unacknowledged mode (UM)
Option B:	Acknowledged mode (AM)
Option C:	Transparent mode (TM)
Option D:	Low latency mode (LM)
Q24.	Hybrid ARQ is part of the _____ layer.
Option A:	PDCP
Option B:	MAC
Option C:	RLC
Option D:	PHY
Q25.	What is the length of the shortest possible PDCCH in bits?
Option A:	144
Option B:	288
Option C:	576
Option D:	72

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

Program: BE Computer Engineering

Curriculum Scheme: Rev2016

Examination: Final Year Semester VII

Course Code: CSC702 and Course Name: Mobile Communication and Computing

Time: 1 hour

Max. Marks: 50

---

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

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

Q18.	<b>B</b>
Q19.	<b>C</b>
Q20.	<b>A</b>
Q21.	<b>D</b>
Q22.	<b>A</b>
Q23.	<b>C</b>
Q24.	<b>B</b>
Q25.	<b>D</b>