University of Mumbai Examination 2020

Examinations Commencing from 7th January 2021 to 20th January 2021

Program: Information Technology Engineering Curriculum Scheme: Rev 2012

Examination: BE Semester VII

Course Code: BEITC 704 and Course Name: WT Time: 2 hour

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
Q1.	If a datagram router goes down then
Option A:	all packets will suffer
Option B:	only those packets which are queued in the router at that time will suffer
Option C:	only those packets which are not queued in the router at that time will suffer
Option D:	no packets will suffer
Q2.	The PSTN is an example of a network.
Option A:	packet switched
Option B:	circuit switched
Option C:	message switched
Option D:	alert switched
Q3.	Each packet is routed independently in
Option A:	virtual circuit subnet
Option B:	short circuit subnet
Option C:	datagram subnet
Option D:	ATM subnet
Q4.	For a connection oriented service, we need a
Option A:	virtual circuit subnet
Option B:	short circuit subnet
Option C:	datagram subnet
Option D:	wireless subnet
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Q5.	Which type of switching uses the entire capacity of a dedicated link?
Option A:	circuit switching
Option B:	datagram packet switching
Option C:	virtual circuit packet switching
Option D:	message switching
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Q6.	In, each packet of a message need not follow the same path from sender to receiver.
Option A:	circuit switching
Option B:	message switching
Option C:	virtual approach to packet switching
Option D:	datagram approach to packet switching
Q7.	In , each packet of a message need to follow the same path from sender to receiver.
Option A:	circuit switching
Option A:	message switching
Option C:	virtual approach to packet switching
Option C:	datagram approach to packet switching
Option D.	Luanagram approach to packet switching

	If the subnet uses virtual circuits internally, routing decisions are made only when a new
Q8.	virtual circuit is being setup. This is called as
Option A:	Session routing
Option B:	Circuit routing
Option C:	Datagram routing
Option D:	Forwarding
Option B.	1 of warding
Q9.	change their routing decisions to reflect changes in the topology.
Option A:	Nonadaptive algorithms
Option B:	Adaptive algorithms
Option C:	Static algorithms
Option D:	Recursive algorithms
Option B.	Trecursive argoriums
Q10.	Sending a packet to all destinations simultaneously is called
Option A:	Multicasting
Option B:	Unicasting
Option C:	Telecasting
Option C:	Broadcasting
Option D.	Diodecasting
	Sending a message to a well-defined group that are numerically large in size but small
Q11.	compared to the network as a whole is called
Option A:	Unicasting
Option B:	Multicasting
Option C:	Broadcasting
Option D:	Telecasting
орион В.	Torocusting
	In Broadcast routing, if the router does not know anything all about spanning tree,
Q12.	method is preferred.
Option A:	Reverse Path forwarding
Option B:	Multidestination
Option C:	Flooding
Option D:	Spanning tree
орион 2.	Spinning title
	Term that is used for stationary or mobile wireless station and also have optional central
Q13.	base station is called
Option A:	Point to point.
Option B:	Multi point.
Option C:	Network point.
Option D:	Access point
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Q14.	Wireless communication is started in
Option A:	1869.
Option B:	1895.
Option C:	1879.
Option D:	1885.
Pron D.	
Q15.	In wireless LAN, there are many hidden stations so we cannot detect the
Option A:	Frames.
Option B:	Collision.
Option C:	Signal.
Option D:	Data.
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Q16.	Specifications for a wireless LAN are called
Option A:	Standard 802.3z.
Option 11.	

Option B:	Standard 802.3u.
Option C:	Project 802.3.
Option D:	IEEE 802.11.
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	Which mode is used for installing networks in wireless communication device
Q17.	characteristics?
Option A:	Fixed and wired.
Option B:	Mobile and wired.
Option C:	Fixed and wired.
Option D:	Mobile and wireless.
Q18.	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
	In multiple accesses are achieved by allocating different time slots for the
Q19.	different users.
Option A:	TDMA
Option B:	CDMA
Option C:	FDMA
Option D:	FGMA
Q20.	are typically characterized by very small cells, especially in densely populated areas.
Option A:	2G system.
Option B:	3G system.
Option C:	2.5G system.
Option D:	3.5G system.

Q2.	Solve any Two Questions out of Three 10 marks eac	h
A	Discuss the threats and challenges in wireless systems. Explain the different type of device security issues.	es
В	Explain WIMAX system and compare different 802.16 standards.	
С	Why is the concept of Spread Spectrum important? Explain briefly FHSS an DSSS concept.	ıd

Q3.		
A	Solve any Two	5 marks each
i.	Write a short note on Multiple Access Technique.	
ii.	Explain exposed and hidden terminal problem with solution.	
iii.	Explain Piconet and Scatternet with respect to Bluetooth.	
В	Solve any One	10 marks each
i.	Explain the GSM Architecture with a neat diagram.	
ii.	Explain Wireless sensor networks with a suitable diagram.	