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Roll No

## NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute)

Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow MCA

FIRST YEAR (SEMESTER-II) THEORY EXAMINATION (2020-2021) (Objective Type)

Subject Code: AMCA0213 Subject: Computer Networks Max. Mks. : 70

Time : 70 Minutes

## **General Instructions:**

All questions are compulsory.

Question No- 1 to 15 are objective type question carrying 2 marks each.

Question No- 16 to 35 are also objective type/Glossary based question carrying 2 marks each.

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Туре	Difficulty	Correct	Option1	Option2	Option3	Option4
1	Which of the following is not a type of network topology?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Circle	Ring	Star	Circle	Bus
2	Which is the shortest network covering network?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	PAN	LAN	MAN	WAN	PAN
3	Which sub layer of the data link layer performs data link functions that depend upon the type of medium?		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	media access control sub layer	logical link control sub layer	media access control sub layer	network interface control sub layer	error control sub layer
4	A node on a network that acts a doorway to or from another network.		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	gateway	gateway	switch	router	hub
5	Which technology would be best to provide a home user with a high-speed, always-on Internet connection?		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	DSL	Dialup	DSL	Satellite	Cellular
6	A 4 byte IP address consists of		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	network address & host address	only network address	only host address	network address & amp; host address	network address & MAC address
7	Transmission control protocol (TCP)		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	all of the mentioned	is a connection- oriented protocol	uses a three way handshake to establish a connection	receives data from application as a single stream	all of the mentioned
8	User datagram protocol is called connectionless because		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	all UDP packets are treated independently by transport layer	all UDP packets are treated independently by transport layer	it sends data as a stream of related packets	it is received in the same order as sent order	it sends data very quickly
9	HTTP is protocol.		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	application layer	application layer	transport layer	network layer	data link layer
10	Which of the following terms is related to sending data to a satellite?		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	Uplink	Uplink	Modem	Switch	Modular
11	What is the transport layer PDU?		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	Segment	Data	Segment	Packet	Frame
12	What is the purpose of the network address?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	To refer to a network	To support communication to all hosts within a subnet	To refer to a network	To provide a gate for hosts in the network	To allow multicast

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Туре	Difficulty	Correct	Option1	Option2	Option3	Option4
13	What best describes a network broadcast address?		Single Choice Questions	Single Choice Questions	2		Single Choice	Smart	All 1 bits in the host portion of the address	All 0 bits in the host portion of the address	All 0 bits plus a rightmost 1 bit in the host portion of the address	All 1 bits plus a rightmost 0 bit in the host portion of the address	All 1 bits in the host portion of the address
14	The TCP/IP application layer effectively consists of which three OSI layers?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Application, presentation, session	Application, session, transport	Application, presentation, session	Application, transport, network	Application, network, data link
15	When displaying a web page, the application layer uses the		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	HTTP protocol	HTTP protocol	FTP protocol	SMTP protocol	TCP protocol
16	A computer that connects to the Internet is called the …….		Glossary I	Glossary I	2		Single Choice	Brilliant	network	Client	ARPANET	protocol	network
17	is a computer that accesses the resources available on the server		Glossary I	Glossary I	2		Single Choice	Brilliant	Client	Client	ARPANET	protocol	network
18	A is a set of rules that controls the data communication		Glossary I	Glossary I	2		Single Choice	Brilliant	protocol	Client	ARPANET	protocol	network
19	The first Network was ….		Glossary I	Glossary I	2		Single Choice	Brilliant	ARPANET	Client	ARPANET	protocol	network
20	programs perform specific tasks, usually related to managing a computer, its devices or its programs.		Glossary II	Glossary II	2		Single Choice	Brilliant	Utility	Radio	Utility	stream control transmission protocol	twisted pair
21	waves travel in all direction in the free space.		Glossary II	Glossary II	2		Single Choice	Brilliant	Radio	Radio	Utility	stream control transmission protocol	twisted pair
22	cable is used in telephone connections		Glossary II	Glossary II	2		Single Choice	Brilliant	twisted pair	Radio	Utility	stream control transmission protocol	twisted pair
23	…….is a transport layer protocol		Glossary II	Glossary II	2		Single Choice	Brilliant	stream control transmission protocol	Radio	Utility	stream control transmission protocol	twisted pair
24	is a program written to enter in your computer and damage/alter your file/data.		Glossary III	Glossary III	2		Single Choice	Brilliant	virus	virus	Wi-Fi	Bus	physical
25	Network components are connected to the same cable in the topology.		Glossary III	Glossary III	2		Single Choice	Brilliant	Bus	virus	Wi-Fi	Bus	physical
26	Transmission data rate is decided bylayer		Glossary III	Glossary III	2		Single Choice	Brilliant	physical	virus	Wi-Fi	Bus	physical
27	WPA2 is used for security in		Glossary III	Glossary III	2		Single Choice	Brilliant	Wi-Fi	virus	Wi-Fi	Bus	physical
28	……….allows users of analog phones to take advantage of the IP network.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	VOIP	private	VOIP	multiplexing	content addressable
29	The MAC address table is sometimes referred to as a CAM table because it is stored in … … memory.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	content addressable	private	VOIP	multiplexing	content addressable
30	is the term used to describe the interleaving of data from multiple users on the same network.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	multiplexing	private	VOIP	multiplexing	content addressable
31	A dynamic port in the range of 49152 to 65535 is also known as a(n) port.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	private	private	VOIP	multiplexing	content addressable
32	To create subnets, bits are borrowed from the portion of an IP address		Glossary V	Glossary V	2		Single Choice	Brilliant	host	UDP	SMTP	below	host
33	All …, packets are treated independently by transport layer		Glossary V	Glossary V	2		Single Choice	Brilliant	UDP	UDP	SMTP	below	host
34	protocol tells each system how to form mail messages and transfer them between computers		Glossary V	Glossary V	2		Single Choice	Brilliant	SMTP	UDP	SMTP	below	host
35	Each layer of the OSI model receives services or data from a layer		Glossary V	Glossary V	2		Single Choice	Brilliant	below	UDP	SMTP	below	host