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**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	Type	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 & 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

