NC-107

November-2021

BCA., Sem.-V

CC-303 : Computer Networks

Time : 2 Hours]   **[Max. Marks : 50**

Instructions : (1) **All** questions in **Section – I** carry equal marks.

(2) Attempt any **TWO** questions in **Section – I**.

(3) Question – 5 in **Section – II** is **COMPULSORY**.

Section – I

1.	(A)	What is Modulation technique ? List and explain all.	**10**
	(B)	Explain Parallel, Simplex, Half-Duplex and Full-Duplex Communication.	**10**
2.	(A)	What is Multiplexing ? Explain FDM and TDM.	**10**
	(B)	Explain stop-and-wait, go-back-n, and sliding window recovery methods.	**10**
3.	(A)	What is Transmission Media ? Explain all Guided Media.	**10**
	(B)	What is Topology ? List and explain types of topologies.	**10**
4.	(A)	What is OSI Model ? Explain its layer function.	**10**
	(B)	What is Ethernet ? Explain it with its properties.	**10**

Section – II

5.   MCQs :   **10**

(1) _____ is a communication system which connects multiple entities using common pathway or channel.

   (A) Internet   (B) Network

   (C) Intranet   (D) None of the above

(2) _____ is a set of rules and agreements that direct data communications.

    (A) Network   (B) Standards

    (C) Protocol   (D) None of the above

(3) LED stands for _____.

    (A) Light Emitting Device   (B) Light Emitting Design

    (C) Light Emitting Dish   (D) Light Emitting Diode

(4) _____ device needed for communication across dial-up telephone connection.

    (A) Modem   (B) Router

    (C) Bridge   (D) Repeater

(5) UHF stands for

    (A) Ultra-High Frequency   (B) User-High Frequency

    (C) Unique-High Frequency   (D) None of the above

(6) WDM stands for

    (A) Wide Division Multiplexing

    (B) Wavelength Division Multiplexing

    (C) Wavelength Division Modulation

    (D) Wide Division Modulation

(7) _____ is a computer that has its own processor, memory and two NIC cards to connect to two portions of a network.

    (A) Repeater   (B) Router

    (C) Bridge   (D) Gateway

(8) UTP stands for _____.

    (A) Unshielded Trusted Pair   (B) Unshielded Triangle Pair

    (C) Unshielded Two Pair   (D) Unshielded Twisted Pair

(9) _____ also called a regenerator.

    (A) Repeater   (B) Gateway

    (C) Router   (D) Bridge

(10) TCP stands for _____.

    (A) Transit Control Protocol

    (B) Transmission Control Protocol

    (C) Transceiver Control Protocol

    (D) Transaction Control Protocol

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