

Seat No. : 655

3

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