

LNCT UNIVERSITY, BHOPAL

Enrollment No. _____

**CS-206PC
B.TECH CS II SEMESTER
EXAMINATION [JULY-2024]
COMPUTER NETWORK****Maximum Marks: 70****Time Allowed: 3Hours****Note:- Attempt all questions internal choice are given.****(SECTION –A)****1. Short Answer Type Question (Attempt Any Five) [5x6=30]**

- i. Compare Connection oriented and connectionless service.
- ii. Explain about the Guided transmission Medias in computer networks?
- iii. Describe sliding window protocol using Go back n.
- iv. Explain MAC sub layer protocol and frame structure of IEEE 802.11.
- v. Explain about the Routing algorithms.
- vi. Explain the operation of TCP with neat sketch
- vii. Explain the working of Electronic mail. How SMTP used in Email applications

(SECTION –B)**2. Long Answer Type Question (Attempt Any Four) [4x10=40]**

- i. Explain the ISO-OSI model of computer network with a neat diagram.
 - ii. Explain about the Carrier Sense Multiple Access Protocols?
 - iii. Explain the function of ARP & RARP.
 - iv. Discuss various types of networks topologies in computer network.
 - v. Discuss in detail about world wide web.
 - vi. Discuss the features of HTTP and also discuss how HTTP works.
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