4. Write short notes on 7+7

i) ALOHA

ii) CSMA/CD

UNIT-III

5. Define and explain different types of Routers. Discuss its architecture and explain a few of its applications. 6+8

6. Write short notes on 7+7

i) Datagram Network

ii) Logical Addressing

UNIT-IV

7. What do you understand by TCP? How does it work? Mention some of its advantages and disadvantages 3+4+7

8. Write short notes on: 7+7

i) The leaky bucket algorithm

ii) SCTP

UNIT-V

9. Explain Dynamic DNS. Discuss some of its benefits and applications. What is "Bluetooth"? 5+6+3

10. Write short Notes on 7+7

i) FTP

ii) TELNET

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B.Tech Even Semester Examination, May, 2025

Electronics & Communication Engineering

(6th Semester)

Course No: ECC-602

(Computer Network)

Full Marks: 70

Pass Marks: 28

Time: 3 hours

Note:

1. Attempt any five questions taking one from each unit.
2. Begin each answer in a new page
3. Answer parts of a question at a place
4. Assume reasonable data wherever required
5. The figure in the right margin indicates full marks for the question
6. All the mathematical symbols and abbreviations have their usual meanings.

UNIT-I

1. What do you understand by OSI model? Explain in details. Differentiate between OSI model and TCP/IP model. 3+7+4

2. Write short notes on 7+7

i) Time Division Multiplexing

ii) Optical Fiber

UNIT-II

3. What do you understand by "CRC" in case of error detection and correction? Explain with suitable example. Mention its advantages. 3+7+4