

OR

- | | | |
|----|---|---|
| 6. | a) What is meant by congestion? Write various congestion algorithms in detail | 6 |
| | b) What is IPv6 ? Explain the structure of IPv6 Datagram | 6 |

UNIT-IV

- | | | |
|----|--|---|
| 7. | a) What is addressing? Explain addressing concept in transport layer | 6 |
| | b) Explain various elements of transport protocols | 6 |

OR

- | | | |
|----|---|---|
| 8. | a) What is TCP? Explain TCP segment Header format | 6 |
| | b) What is UDP? Explain UDP Segment Header format | 6 |

UNIT-V

- | | | |
|----|---|---|
| 9. | a) What is DNS ? Explain how to implement DNS | 6 |
| | b) Explain briefly about multimedia ? | 6 |

OR

- | | | |
|-----|---|----|
| 10. | What is SMTP ? Explain how it is useful in e-mail | 12 |
|-----|---|----|

[3,7/VIS/110]

[EURCS 601/EURIT 601]
B.Tech. DEGREE EXAMINATION

CSE/IT
VI SEMESTER

COMPUTER NETWORKS

(Effective from the admitted batch 2007–08)

Time: 3 Hours

Max.Marks: 60

Instructions: Each Unit carries 12 marks.

Answer all units choosing one question from each unit.

All parts of the unit must be answered in one place only.

Figures in the right hand margin indicate marks allotted.

UNIT-I

- | | | |
|----|---|---|
| 1. | a) Explain TCP/ IP model | 7 |
| | b) Distinguish between OSI reference model and TCP/IP model | 5 |

OR

- | | | |
|----|---|---|
| 2. | a) Explain various channel allocation problems | 6 |
| | b) Write various collision free protocols explain in detail | 6 |

UNIT-II

- | | | |
|----|--|---|
| 3. | a) What is Ethernet ? Explain various IEEE 802 standards for Ethernet? | 6 |
| | b) Briefly explain about wireless LANs | 6 |

OR

- | | | |
|----|-----------------------------|----|
| 4. | Briefly write the following | 12 |
| | a) Spanning tree bridges | |
| | b) Routers | |
| | c) Remote Bridges | |
| | d) Gateways | |

UNIT-III

- | | | |
|----|---|---|
| 5. | a) Explain various design issues in network layer | 6 |
| | b) Distinguish between connection oriented and connectionless services in network layer | 6 |