

Code No: 57037

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, November - 2015

COMPUTER NETWORKS
(Common to ECE, EIE, BME)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

- 1.a) Define protocols and standards. Mention their importance in computer networks.
- b) Explain TCP/IP protocol suite. [7+8]
- 2.a) What is multiplexing? Explain different types of multiplexing.
- b) Explain about unguided transmission media. [8+7]
- 3.a) Explain about flow and error control.
- b) Explain three modes of data transfer operations of HDLC. [8+7]
- 4.a) Explain about random access control protocols.
- b) Mention the purpose of MAC layer. [8+7]
- 5.a) Explain about virtual LANs.
- b) Explain about wireless WANs. [7+8]
- 6.a) How networks can be connected? Explain different methods of inter-networking.
- b) What is tunneling? Give a brief note on it. [8+7]
- 7.a) What do you mean by process to process delivery? Explain.
- b) Explain about TCP handshake protocol. [7+8]
- 8.a) What is FTP? Explain its purpose.
- b) Distinguish between symmetric and asymmetric encryption. [8+7]

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