

R09

Code: 9A05506

III B. Tech I Semester (R09) Supplementary Examinations, May 2012

COMPUTER NETWORKS

(Common to IT & CSE)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) List advantages and disadvantages of having International standards for network protocols.
(b) Briefly explain the various types of the wireless transmissions.
- 2 Explain PPP with frame format. Explain how it provides the facility through link control protocol and network protocol.
- 3 (a) Explain how dynamic channel allocation in LANs and MANs are done.
(b) Compare and contrast pure ALOHA and slotted ALOHA.
- 4 (a) What are the responsibilities of network layer? Explain them.
(b) Write short notes on: Hierarchical routing.
- 5 What is internetworking? What are the different devices used to interconnect dissimilar networks at different layers? Explain them in detail.
- 6 Explain with suitable example, the establishment of the connection and the release of the connection using the transport protocols.
- 7 Give brief description about the electronic mail system.
- 8 (a) With the help of a neat sketch explain the encryption model.
(b) Give brief description about the substitution ciphers.
