

Code :RR320503

RR**III B.Tech II Semester(RR) Supplementary Examinations, April/May 2011****COMPUTER NETWORKS****(Computer Science & Engineering, Computer Science & Systems Engineering, Information Technology, Electronics & Control Engineering, Electronics & Computer Engineering)****Time: 3 hours****Max Marks: 80**

Answer any FIVE questions
All questions carry equal marks

1. (a) Draw and explain in detail about ISO-OSI reference model.
(b) What does “negotiation” means when discussing network protocols? Give an example of it.
2. (a) What is SLIP? What are the disadvantages of it?
(b) With an example, explain the importance of sequence numbers for Acknowledgements.
3. (a) What is bridge? Explain the operation of a LAN bridge from 802.3 to 802.4.
(b) Explain the operation of transparent bridge.
4. Explain congestion. How do we control the same? Which packets are used practically for this purpose? At what layer this is done? What is the difference between flow control and congestion control?
5. (a) Briefly explain the concepts of Flow Control and Buffering.
(b) Explain in detail Four protocol scenarios for releasing a connection.
6. (a) What is internet work routing? Explain interior gateway and exterior gateway protocols.
(b) What is three bears problem? Write short notes on CIDR.
7. (a) Briefly discuss TCP connection Management.
(b) What are blocking calls, primitives and non-blocking primitives?
8. (a) Explain the built-in HTTP request methods.
(b) How do you make an image clickable in HTML? Give an example.
