

Code: 9A05506

R9

B.Tech III Year I Semester (R09) Supplementary Examinations, May 2013

COMPUTER NETWORKS

(Common to IT and CSE)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain about TCP model. What is the main difference between TCP and UDP?
(b) Write about fiber optic transmission media.
- 2 (a) Distinguish between the noisy channel and noise less channel protocols.
(b) Explain CRC method for error checking with example.
- 3 (a) Write short notes on wireless LANs.
(b) Briefly explain the IEEE 802.11 protocol stack.
- 4 (a) What is hierarchical routing? When it is used? State merits and demerits of hierarchical routing.
(b) Compare flow control and congestion control.
- 5 (a) Describe in detail about concatenated virtual circuits.
(b) Discuss in detail about the connectionless internetworking.
- 6 (a) What is meant by marshalling? Explain it in detail.
(b) Discuss in detail about the real time transport protocol stack with a neat sketch.
- 7 (a) Explain in detail about the hyper text transfer protocol.
(b) Explain how the dynamic web page generated from the client side.
- 8 (a) Explain the process of converting the message to cipher text by using RSA technique with a suitable example.
(b) Discuss the different cryptanalysis techniques.
