R09

B.Tech III Year II Semester (R09) Supplementary Examinations December/January 2014/2015
COMPUTER NETWORKS
(Common to CSS and ECC)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) How does information get passed from one OSI layer to the next? Explain.
   (b) Write short notes on modern ADSL.

2 (a) Differentiate between error control and flow control.
   (b) Give an algorithm for CRC method of error checking.

3   Write short notes on the following:
   (a) IEEE 802.5 standard.
   (b) IEEE 802.4 token bus standard.

4 (a) With an example explain multicast routing algorithm.
   (b) Explain about count-to-infinity problem. What is horizon hack?

5 (a) List and explain the goals of IPv6.
   (b) Explain in detail about the extension header present in IPv6.

6 (a) Give brief introduction about the user datagram protocol.
   (b) Explain the steps for remote procedure call.

7 (a) Explain the voice over IP in detail.
   (b) Give brief description about the real time streaming protocol.

8 (a) Explain the role of S – Boxes and P – Boxes in symmetric key algorithms.
   (b) What is redundancy? Explain it in detail.

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