R09

Code: 9A05506

B.Tech III Year I Semester (R09) Supplementary Examinations June 2016
COMPUTER NETWORKS
(Common to CSE and IT)

Time: 3 hours   Max Marks: 70

Answer any FIVE questions
All questions carry equal marks
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1 (a) Explain the characteristics of WAN. Why a WAN is required and what objectives are achieved by having a WAN?
   (b) Write short notes on interfaces and services of ISO layers.

2 (a) Briefly explain about the data link layer design issues.
   (b) Discuss about the simple protocol for a noisy channel.

3 (a) Explain how dynamic channel allocation in LANs and MANs are done.
   (b) Compare and Contrast pure ALOHA and Slotted ALOHA.

4 (a) Explain multi destination routing and reverse path forwarding technique with examples.
   (b) What is optimality principle?

5 (a) Write short notes on Classless Inter-Domain routing.
   (b) Give brief description about the Network Address Translation.

6 (a) Give brief description about the TCP service model.
   (b) Write general overview about the TCP Protocol.

7 (a) Discuss in detail about the DNS Name space.
   (b) Write short notes on Resource Records.

8 (a) What are the basic elements of a product cipher? Explain them in detail.
   (b) Explain the data encryption standard with a neat sketch.

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