B.Tech III Year II Semester (R07) Supplementary Examinations December/January 2015/2016
COMPUTER NETWORKS
(Common to CSE, IT, CSS and ECC)
(For 2008 regular admitted batch only)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks
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1   Write short notes on:
  (a) Architecture of the internet.
  (b) NSFNET.
  (c) ARPANET.

2 (a) Discuss in detail about the Time Division Switches.
   (b) What are the two popular approaches of Packet Switching?

3 (a) Discuss the design issues of Data Link Layer.
   (b) Explain Sliding window protocol.

4 (a) Discuss in detail the working of token bus.
   (b) Briefly explain the IEEE 802.11 protocol stack.

5 (a) What are the trade – offs between datagram subnet and virtual circuit subnets? Explain them.
   (b) Give brief description about session routing.

6 (a) What is the importance of IP addressing? Explain the different categories of assigning IP addresses
       to network.
   (b) Define subnet. Explain its role in assigning IP address to network

7 (a) What is the main purpose of UDP protocol? Explain about its header.
   (b) Give brief description about the Remote Procedure Call.

8 (a) What protocol is used for Video Conferencing? Explain it.
   (b) Discuss in detail about Real Time Streaming Protocol.

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