Code No: **R32041**

R10

Set No. 1

III B.Tech II Semester Supplementary Examinations, Dec - 2015
COMPUTER NETWORKS
(Common to ECE and ECM)

Time: 3 hours   **Max. Marks: 75**

Answer any FIVE Questions
All Questions carry equal marks
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1   Discuss about network and OSI architecture with neat diagrams.   [15]

2   a)   Compare Digital Modulation and Multiplexing contest of computer network.   [8]

     b)   Write a short note on Network topologies.   [7]

3   a)   Mentioning the advantages and disadvantages, explain sliding window protocol using   [8]
          Go back-n and using selective repeat.
     b)   Explain the CRC generator and checker in detail.   [7]

4   a)   Explain about MAC protocol.   [8]

     b)   Write a short note on Fast Ethernet.   [7]

5   a)   Explain shortest path routing in detail   [7]

     b)   What is routing? Explain two major classes of routing algorithms.   [8]

6   a)   Explain why routing is very important in networking. Illustrate any one of the routing   [8]
          algorithm used in networks.
     b)   Discuss about the packet switching concept.   [7]

7   a)   Give TCP header format and explain.   [7]

     b)   Explain the ATM addressing with suitable example.   [8]

8   a)   Discuss how SNMP works   [7]

     b)   Explain in detail about the Data Encryption Standard.   [8]

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