Total No. of Questions :8]   [Total No. of Printed Pages :2

Roll No ....

MEDC-203

M.E./M.Tech., II Semester

Examination, December 2016

Network Design Technology

Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.
   ii) All questions carry equal marks.

1. a) Explain various topology used in computer network.

   b) Describe mac (MAC) Techniques including LLC sublayer.

2. a) What is layered architecture in computer network? Explain in detail.

   b) What is Ethernet protocol? Compare between Token ring and FDDI?

3. a) Explain the working of Transport layer protocol. Differentiate between TCP and UDP.

   b) Explain OSPF and BGP protocol in detail.

4. a) What is switching? Explain circuit switching and packet switching mechanism in detail.

   b) Explain channels of broad band ISDN.

5. a) Explain High speed Network frame relay protocol.

   b) What is interior gateways protocols? Explain RIP in detail.

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6. a) What is WAN technology? Differentiate between WAN and LAN.

   b) Explain (IP) Internet Protocol in detail.

7. a) Explain ATM architecture in detail.

   b) Explain Congestion control mechanism in ATM LAN.

8. Write short notes on any three :

   a) MAC layer

   b) Bit rate and Band rate

   c) AAL

   d) X.25

   e) MPOA (Multi Protocols Over ATM)

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