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MEDC - 203
M.E./M.Tech. II Semester
Examination, December 2014
Network Design Technology

Time : Three Hours

Maximum Marks : 70

Note: Attempt any five questions from eight questions.

1. a) Explain the Block diagram of MAC layer?

   b) Explain the OSI model? Also write down the function of each layer?

2. Describe the circuit switched data networking? Also compare it with packet switching?

3. Explain the frame relay protocols and services?

4. a) Explain the working and function of ATM adaptation layer?

   b) Describe the Multiprotocols over ATM?

5. a) Describe various objectives and services provided by ISDN?

   b) Explain the internet protocol? Also compare between V4 and V6 protocol?

6. Explain the following:

   i) WAN

   ii) LAN

7. a) Explain the exterior gateway protocols? Also write dow: its application?

   b) What is Ethernet system? Also explain the Gigabi ethernet in detail?

8. Write short notes on (any two):

   i) X.25

   ii) ATM

   iii) TCP/IP model

   iv) Gateway protocols

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