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Roll No

MEDC-203**M.E./M.Tech., II Semester**

Examination, June 2017

Network Design Technology**Time : Three Hours****Maximum Marks : 70**

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

1. a) Explain with the help of diagram 7 layer OSI model.
b) Explain the TCP/IP layer model.
2. a) Explain Medium Access Control (MAC) techniques including MAC and LLC sub layers.
b) Explain fast Ethernet and Gigabit Ethernet.
3. a) Explain internet working with TCP/IP protocol.
b) Discuss about IPv4 and IPv6 transport protocol.
4. a) Discuss various interior gateways protocol.
b) Explain various exterior gateway protocols.
5. a) Explain circuit switching and packet switching mechanism.
b) How is congestion control provided in ISDN?

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6. a) How is Routing and Traffic control done in WAN networks?
b) Discuss about Broad band ISDN.
7. a) Discuss about ATM adaptation layer.
b) Discuss about ATM traffic and congestion control.
8. Write short notes on any two of the following:
 - a) FDDI
 - b) X.25
 - c) Multi Protocol Over ATM (MPOA)

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