

**MEDC-203**  
**M.E./M.Tech. II Semester**  
Examination, June 2013  
**Network Design Technology**

*Time : Three Hours*

*Maximum Marks : 70*

**Note:** Sections (a) is compulsory from each questions. Answer any one from section (b) and (c).

1. a) Discuss architecture of ATM. 7  
b) What is ATM LAN? Explain ATM LAN emulation and multiprotocols over ATM. 7

**OR**

- c) Explain ISDN standards and services. 7

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2. a) Describe channels of Broad band ISDN. 7  
b) Explain circuit switching mechanism and network design 7

**OR**

- c) Discuss ISDN interface and functions. 7

3. a) What is interior gateways protocols? Explain RIP protocol. 7  
b) Discuss frame relay protocols. 7

**OR**

- c) Explain OSDF and BGP in details. 7

4. a) Discuss layered models of OSI. 7  
b) Explain fast ethernet & Gigabit ethernet with applications. 7

**OR**

- c) What is X.25? Explain packet switched networking including routing. 7

5. a) Describe MAC Techniques including LLC sub layers. 7  
b) Discuss internet protocol suite including IPV4 & IV6 Transport protocols. 7

**OR**

- c) Write about  
i) TCP/IP  
ii) UDP & WAN. 7

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