

Roll No. ....

Subject Code—2067

**M.C.A. EXAMINATION**

(Fifth Semester)

(Re-appear)

(Old Syllabus)

MS-34

**HIGH SPEED NETWORKS**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Attempt any *Five* questions. All questions carry equal marks.

1. Explain traffic, application and device management for management of high speed networks.
2. Explain ATM reference model and cell types in ATM.

3. Explain the following subscriber lines :
  - (a) DSL
  - (b) ADSL
  - (c) HDSL.
4. Explain the following in ISDN :
  - (a) Reference Model
  - (b) Interfaces
  - (c) Channels.
5. Draw and explain protocol stack and frame format for gigabit ethernet.
6. Explain different ports and protocols in fibre channel.
7. Explain different performance attributes of a high speed networks. Also discuss virtual LANs and RSVP.
8. Write short notes on the following :
  - (a) FDDI
  - (b) SMDS.