

Roll No.

Subject Code—2067-X

M.C.A. EXAMINATION

(Fifth Semester)

(Re-appear)

(New Syllabus)

MS-34

HIGH SPEED NETWORK

Time : 3 Hours

Maximum Marks : 100

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

1. Explain IP addressing system. Differentiate between IPV4 and IPV6 along with header. Also discuss mobile IP. **20**
2. Explain architecture of GSM, CDMA and GPRS mobile networks. Also compare performance of these three technologies. **20**

(2-09-06-09)

P.T.O.

3. Explain protocol architecture and interfaces of Integrated Services Digital Networks. 20
4. Compare layered protocol architecture of gigabit and 10 gigabit (10G) ethernet. Also draw frame format of any of these. 20
5. Draw and explain architecture and frame format of WiFi (802.11). Also compare WiFi with WiMAX. 20
6. Explain the following in fiber channel : 20
 - (a) Ports
 - (b) Topologies
 - (c) Protocols
7. Explain cell format and reference model of ATM. 20
8. Write short notes on : 20
 - (a) UDP/TCP
 - (b) Voice over IP.