

2014

(Third Semester)

MASTER OF COMPUTER APPLICATIONS

Paper No: MCA 302

(Computer Networks)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks for the questions*Answer Question No 1 and **any four** from the rest

1. (a) Explain half Duplex Communication. (2)
(b) What is analog signal? (2)
(c) What is Thick Ethernet? (2)
(d) Explain Frame Relay. (2)
(e) What is IPv6? (2)
(f) What is the primary function of MAC? (2)
2. What is Multiplexing? Explain TDM and FDM. (2+5+5=12)
3. What is the difference between forward and backward error correction? Explain checksum giving example. What is modem? (4+5+3=12)

4. What is Tone dialing? Describe FSK and PSK in details with diagram. (4+4+4=12)
5. Describe the different types of transmission media. Explain Packet switching. (8+4=12)
6. Describe OSI model. Explain back off algorithm. (8+4=12)
7. What is Network OS? Explain Fault tolerance, analysis and rectification. (2+10=12)
8. Describe the security issues of networking giving its problems and solutions. (12)

*****III/MCA/302*****