

Code: 9F00302

MCA III Semester Supplementary Examinations, July 2013
COMPUTER NETWORKS

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Briefly describe about ATM network model.
(b) Compare different types of transmission media.
- 2 (a) Illustrate various design issues of data link layer.
(b) Briefly explain about HDLC protocol.
- 3 (a) Describe about ALOHA.
(b) Illustrate different kind of collision free protocols.
- 4 (a) Explain about link state routing algorithm.
(b) Define the term choke packet describe the involvement of choke packets in congestion control.
- 5 (a) Define the term tunneling.
(b) Discuss various classes of IP address.
(c) Explain various quality of services in network layer.
- 6 (a) Discuss various flow control mechanisms in transport layer.
(b) Briefly discuss about UDP.
- 7 (a) Describe various characteristics of networks security.
(b) Briefly discuss about RSA algorithm.
- 8 (a) Describe the importance of DNS in application layer.
(b) Explain about MIME protocol.
