

Code: 9F00302

**MCA III Semester Supplementary June 2012 Examinations
COMPUTER NETWORKS**

(For 2009 & 2010 admitted batches only)

Time: 3 hours

Max Marks: 60

**Answer any FIVE questions
All questions carry equal marks**

1. (a) Write and explain about the transmission media.
(b) Differentiate between OSI reference model and Tcp/Ip reference model.
2. (a) State and explain design issues of data link layer.
(b) Explain CRC (cyclic redundancy code) with example.
3. (a) What are the channel allocation methods?
(b) Explain about the following:
(i) ALOHA.
(ii) Carrier sense multiple access protocol.
4. (a) Explain about the shortest path algorithm.
(b) Explain about flooding.
5. (a) Explain about tunneling.
(b) Explain about fragmentation.
6. State and explain about the elements of transport protocols.
7. (a) What is meant by triple DES? Explain DES algorithm.
(b) What is meant by firewall? Explain the types of firewalls.
8. (a) Explain about the MIME.
(b) Explain about the name servers.
