

Roll No

MCIT-102**M.E/M.Tech., I Semester**

Examination, June 2016

Internet Technology*Time : Three Hours**Maximum Marks : 70*

Note : i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Discuss the need of multiple protocols. Also explain the characteristics and functions of protocols. 7
b) Differentiate between multiplexing and demultiplexing with the help of an example. 7
2. a) Explain the architecture of a protocol with the help of a neat diagram explaining its key elements. 7
b) Give a brief note on internet architecture and its philosophy. 7
3. a) What is routing and explain the non-least cost path algorithms with an example. 7
b) Why is UDP needed? Why can't a user program directly access IP? 7
4. a) Explain TCP congestion control. 7
b) What is reliable delivery service? Discuss the properties of reliable delivery service. 7

5. a) Explain the characteristics of SMTP protocol. 7
b) Write short note: 7
i) TELNET
ii) FTP
6. a) What are the instruments supporting physical network management? Explain in detail all. 7
b) What do you understand by configuration management? Write down the various functions of configuration management. 7
7. a) What is Fault management? Enlist the functions of fault management. 7
b) Explain briefly the general structure of a network management product. 7
8. Explain briefly: 14
a) Security management
b) Network capacity planning
c) Accuracy management
d) LAN monitor
