

Roll No

MCIT-102
M.E/M.Tech., I Semester
 Examination, December 2014
Internet Technology
Time : Three Hours

Maximum Marks : 70

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

1. a) What is 'protocol'? Explain the architecture of a protocol with a suitable diagram. Also explain its key elements. 7
 b) Explain the conceptual layers of multiple protocol software. 7
2. a) What is 'Internet Protocol'? Explain the architecture of Internet with the help of internet diagram. 7
 b) Compare IPv6 with IPv4. Also explain features and format of IPv6. 7
3. a) Explain user data gram protocol with its message format. 7
 b) Explain TCP and compare with UDP. Write properties of reliable delivery system. 7

4. Explain the following protocols: 14
 - i) GGP
 - ii) Exterior gateway
 - iii) RIP
 - iv) The Hello Protocol
5. a) What is application layer protocol? Explain any two application layer protocols. 7
 b) What is the meaning of network management? Give a general structure of network management product. 7
6. a) Compare and explain Line Monitors and LAN monitors. 7
 b) What is the difference between instruments that support physical network and that support logical network management? 7
7. a) What is configuration management? Write its functions. 7
 b) Explain the processes and procedure of fault management in detail. 7
8. Write short notes (any four) 14
 - i) Security Management
 - ii) Data scopes
 - iii) ICMP
 - iv) Network capacity planning
 - v) Security monitors