Roll No ....

MCIT - 102

M.E./M. Tech., I Semester

Examination, June 2014

Internet Technology

Time : Three Hours

Max. Marks : 70

Note: i)　Attempt any five questions.

ii)　All questions carry equal marks.

1. a) Explain the conceptual layers of multiple protocol software.　7

   b) Differentiate multiplexing and demultiplexing.　7

2. a) What is IPv6? Write its features and formats.　7

   b) Draw and explain the format of UDP message. Explain UDP encapsulation.　7

3. a) What is reliable delivery service? Enlist the properties of reliable delivery service. Why TCP is called reliable? Explain.　7

   b) Write a short note on ICMP protocol.　7

4. a) Explain the functioning of GGP routing.　7

   b) Write a short note on Routing Information Protocol (RIP).　7

5. a) Enlist the application layer protocols of internet technology and explain the TELNET protocol in detail.　7

   b) Explain the need of network management products. Explain any two of such products.　7

6. a) Explain the term 'Configuration management' and write its functions. Also discuss Inventory management in short.　7

   b) Write short notes on security monitors and LAN monitors.　7

7. a) What is fault management? Enlist the functions of fault management.　7

   b) Explain how the capacity planning is done for a network.　7

8. Write short notes on any four:　14

   i) File transfer protocols

   ii) SMTP

   iii) Source routing

   iv) Data Scopes

   v) Accuracy Management

   vi) Performance Management

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