

**IV Semester B.Sc. (I.T.) Examination, June/July 2010**  
**COMPUTER NETWORKS**

Time : 3 Hours

Max. Marks : 75

***Instruction :*** Answer ***all*** questions from Part – A and answer ***any five*** questions from Part – B.

**PART – A**

1. Name the services offered by transportation layer in OSI Model. **(10×2+5×1=25)**
2. Explain ARP.
3. What is Indirect Routing ?
4. What is multi homed systems ?
5. Explain Port Number.
6. Explain Decapsulation.
7. Explain any two uses of UDP.
8. What is ICMP Messages ?
9. Explain Process-to-Process Communication.
10. What is concurrency ?
11. Expand the following terms :
  - a) IRTF
  - b) RIP
  - c) RARP
  - d) FTAM
  - e) ISO.

**P.T.O.**

## PART – B

Answer **any five** :

**(5×10=50)**

1. Explain TCP/IP Protocol architecture.
  2. Explain the different levels of addressing in TCP/IP model.
  3. Explain IP datagram header with neat diagram.
  4. Explain Flow control mechanism in TCP.
  5. Explain different operations of TCP.
  6. Explain client server model.
  7. Explain error reporting messages present in the ICMP.
  8. Explain Communication and Command processing in FTP.
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