FACULTY OF ENGINEERING

B.E. 3/4 (CSE) II – Semester (New) (Main) Examination, April / May 2013

Subject : Computer Networks

Time : 3 hours   **Max. Marks : 75**

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.

PART – A (25 Marks)

1. What are the functions of data link layer?	3
2. List elementary TCP socket system calls.	2
3. Define IP protocol.	2
4. What is Tunneling?	3
5. Define a Daemon process.	2
6. Explain the need for multiprotocol router.	2
7. What are the services of Transport layer?	2
8. Write short notes on E-mail security.	3
9. Differentiate between virtual circuits and datagram subnets.	3
10. What is ARP & RARP.	3

PART – B (50 Marks)

11. Draw and explain the OSI reference model with a neat diagram.	10
12. What is routing? Explain any one static and dynamic routing algorithms.	10
13. Explain in detail about TCP header with neat diagram.	10
14. List and explain about elementary sockets and advanced sockets.	10
15.a) Explain about E-mail architecture and services.	5
b) Differentiate between static and dynamic web documents.	5
16. Explain about OSPF in detail.	10
17. Write short notes on :	
a) WWW	3
b) HTTP	3
c) DNS	4

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