

FACULTY OF ENGINEERING

B.E. 3/4 (CSE) I – Semester (Old) Examination, Nov. / Dec. 2012

Subject : Computer Networks

Time : 3 hours

Max. Marks : 75

Note: Answer all questions from Part–A and answer any **FIVE** questions from Part–B.

PART – A (25 Marks)

1. What is meant by application layer? (3)
2. What are the functions of Physical Layer? (3)
3. Define Transport layer. (3)
4. What is meant by concatenated virtual circuits? (2)
5. List out the advantages of Internet Protocol. (2)
6. What is meant by Internet Multicasting? (3)
7. What is meant by HTTP? (2)
8. Define User Agent. (2)
9. Define Networking Security. (2)
10. What is meant by Cryptography? (3)

PART – B (5 x 10 = 50 Marks)

11. Draw and explain in detail about the ISO-OSI model. (10)
12. i) Explain about the congestion control algorithms. (5)
ii) Explain detail about the routing algorithm. (5)
13. i) Briefly explain about the elements of transport protocol. (5)
ii) Write short notes on
a) OSPF b) BGP (3+2)
14. i) Draw and explain in detail about the TCP clients. (5)
ii) Write short notes on :
a) Socket Address b) Out of Band Data (3+2)
15. Draw and explain the architectural overview of World Wide Web. (10)
16. Explain in detail about the Multimedia over the Internet. (10)
17. i) Explain in detail about the Cryptography in Internet and Networking. (5)
ii) Write short notes on :
a) Authentication Protocol b) Communication Security (3+2)
