FALL 2008 ASSIGNMENTS

CS 4/55201 COMPUTER NETWORKS
Department of Computer Science, Kent State University

In this semester we will solve 30-40 problems grouped into five sets. All questions are posted below. The assignments are take-home. You can solve all now or in groups as per the due dates. Remember, each assignment report is due on the date specified. If there is no class on the date- it is due on the class immediately following the due date. If a topic related to a particular question(s) has not been covered by the due date in the class- you may submit that particular answer(s) with the assignment report of the next set by the next due date. You need to submit a hard copy in the class or email the report to TA. Original and accurate answer is expected.

Home Work #1, Computer Networks,
Fall08 (10x100=100)
Topics: (Media, Codes) (Optional But solve for midterm)
1. PROBLEM 1.3
2. PROBLEM 2.19
3. PROBLEM 2.23
4. PROBLEM 2.35
5. PROBLEM 2.39
6. PROBLEM 3.3
7. PROBLEM 3.5
8. PROBLEM 3.9
9. PROBLEM 3.11
10. PROBLEM 3.14
Home Work #2, Computer Networks,
Fall 2008 (10x100=1000)
Topics: (flow control, aloha, wireless) [answer all]
11. PROBLEM 3.17
12. PROBLEM 3.29
13. PROBLEM 3.31
14. PROBLEM 4.3
15. PROBLEM 4.5
16. PROBLEM 4.11
17. PROBLEM 4.21
18. PROBLEM 4.23
19. PROBLEM 4.31
20. PROBLEM 4.33
Home Work #3, Computer Networks,
Fall 2008 (10x100=1000)
Topics: (forwarding, routing, IP) [answer all]
21. PROBLEM 5.1
22. PROBLEM 5.3
23. PROBLEM 5.5
24. PROBLEM 5.7
25. PROBLEM 5.9
26. PROBLEM 5.35
27. PROBLEM 5.37

28. PROBLEM 5.43	
29. PROBLEM 5.45	
30. PROBLEM 5.47	
Home Work #4, Computer Networks	
Fall 2008 (10x100=1000)	
Topics: (TCP, congestion control) [answer all]	
31. PROBLEM 6.3	
32. PROBLEM 6.5	
33. PROBLEM 6.9	
34. PROBLEM 6.15	
35. PROBLEM 6.19	
36. PROBLEM 6.27	
37. PROBLEM 6.31	
38. PROBLEM 5.23	
39. PROBLEM 5.25	
40. PROBLEM 5.27	

Due Dates:

Take Home Assignment #1	NO SUBMISSION REQUIRED, SOLVE FOR MIDTERM
Take Home Assignment #2	OCT, 07
Take Home Assignment #3	OCT, 27
Take Home Assignment #4	NOV, 12

NOTE: These are take home assignment but you are expected to solve each on your own and follow honor code. Any copy or unfair means detected will result in severe penalty (such as zero for ALL assignments, expulsion, reporting to university).