

College of Computing and Information Technology

Master of Information Systems

Networking Applications

Fall 2011

DNS Homework (Total of 50 pts)

Due Date: Nov 23rd, 2011

Please hand in a hardcopy of your homework.

Q1. (20 pts) Provide a summary for the assigned paper (**Impact of Configuration Errors on DNS Robustness**) from the ACM SIGCOMM 2004 conference (Session9: DNS and Naming).

Q2. (10 pts) Explain in detail the fields comprising the SOA resource record. What role the SOA record plays in the zone transfer process?

Q3. (15 pts) Write a 2-page report (maximum) summarizing potential DNS security threats, along with currently available workarounds, if any. Provide a list of any references you consult.

Q4. (5 pts) Show the results you obtain by attempting to resolve the following names: www.aast.edu and www.cmn.com. What do you conclude?