Sys Admin Final Reference Guide

** Know the difference between different types of networks (A, B, and C)**

** Understand what subnetting is used for. Understand how subnet masks work with respect to IP addresses. Know how to separate out the network and host portions.**

** Understand the "special" types of IP addresses (broadcast, etc.)**

** Know what the curl and wget commands are used for.**

** Know the purposes and limitations of the different types of email services.**

 **Be able to describe different approaches for securing workstations against attack in terms of both physical and network attacks.**

 **Describe what a firewall is, its purpose, and an example or two of the different types.**

 **Understand what SELinux is, why it is there, how it differs from the usual Linux strategy.**

 **Be able to describe methods for detecting intrusions.**

 **Understand the difference between proactive and reactive maintenance, including examples of each.**

 **Know how to resolve filesystem errors from the command line.** **Understand why the system needs to be in read-only mode for the errors to be resolved.**

 **Understand different causes for a system to be performing poorly or slowly, as well as methods for fixing such problems.**

 **Understand the purpose of the /proc folder and some of the common files in there (e.g., meminfo, cpuinfo, loadavg, etc.)**

 **Know what an acceptable use policy is and why it is necessary.**

 **Be able to describe ethical concerns that may impact you as a sysadmin.**

 **Be able to create and call a bash function**

 **Understand the differences between Git and SVN**

 Be able to answer the highly-anticipated extra credit question.