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.