

## SANOG VI NSRC IP Services Final Exam

Please answer each question below. If you have any questions feel free to ask one of your instructors.

Each question is worth 10 points. Good luck!

Your Name: \_\_\_\_\_

1.) How many IP addresses are available on the network 202.144.151.0/27 ?

- 254
- 16
- 32
- 64

2.) What file should you edit in order to enable a service under FreeBSD?

- /etc/namedb/named.conf
- /etc/motd
- /etc/defaults/rc.conf
- /etc/rc.conf

3.) If you run the Squid web caching software on your server what does this do?

- Uses bandwidth on your network downloading lots of web pages?
- Lets other users connect to your Apache web server?
- Stores requested web pages on a local server so that the next time a user requests that page it's already available on your local network?
- Maintains a list of web sites that talk about squids?

4.) What are the advantages of using SSH with private keys to connect to other machines instead of using passwords?

- You no longer have to use passwords to connect.
- One passphrase can be used to connect to multiple machines.
- You don't have to worry about changing passwords on multiple machines.
- All of the above.

5.) What command would you give to restart the SSH server (daemon) on a FreeBSD server machine?

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6.) Why would you consider installing SSL support for a web server?

- Because it uses less CPU power.
- Because it can keep username and passwords from being sniffed.
- Because it gives you a cool new logo on your home page.
- Because it uses more CPU power.

7.) One of these DNS resource records is used to map a host name to its IP address. Which record is this?

- CNAME
- SOA
- MX
- PTR
- A

8.) How many MTA's can you have running on one server?

- One
- Two
- As many as you want

9.) What file contains a list of root name servers that your local nameserver references when necessary?

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10.) On what port does SMTP run? Check one.

- 110
  - 443
  - 25
  - 995
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