

**LANSING EASTERN HIGH SCHOOL CNAP  
SEMESTER II FINAL REVIEW SHEET**

Directions: Before attempting the Semester One Final Exam you should be familiar with the following concepts.

- RIP - What are its metrics and update frequency?
- Hold Down Timers - What are they?
- TCP sequence numbers
- Router Components, RAM, Flash, NVRAM, ROM. - What is stored where?
- What are ping and traceroute used for?
- What are configuration registers? What are some common values?
- Class B and C Subnetting, Broadcast Addresses
- Link State Algorithms
- Link State Routing Protocols - OSFP
- Privileges in user mode vs. Exec mode.
- Common network problems and their corresponding OSI layer
- Common CLI keystrokes
- Exterior Routing Protocols - What are they used for?
- What is the function of Static, Dynamic, and Default Routes?
- What are the two parts of an IP address?
- Be familiar with the password recovery procedure for a Cisco Router
- DCE, DTE and common devices in each.
- Window Size & Sliding Windows
- How do you obtain help in the CLI?
- What are the Aux, Console, and Serial ports on a router used for?
- What is CDP and on which layer does it function?
- Be familiar with the TFTP update and backup procedures. Especially Command Syntax.
- Convergence & convergence time.
- OSPF, RIP, IGRP
- Debug, How do you enable it and what does it do?
- Bandwidth, Load, Reliability - Which protocol are these three things associated with?
- Static vs. Dynamic Routing
- Order of Encapsulation

COMMANDS:

Enable	Disable
Boot System ROM	Boot System TFTP
Show IP Route	Reload
Banner MOTD	Erase startup-config
Show Version	Show Startup-Config
IP domain-lookup	Router RIP
Router IGRP	copy startup-config TFTP