

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

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

- Novel RIP - Metrics - Tics & Hop Count
- Types of Networks: Workgroup, Client - Server
- Microsegmentation - Which device is this associated with?
- What are VLANs, and how are they implemented?
- Routing Protocols: RIP, OSPF, Novell RIP, IGRP, EIGRP
- Access List Abbreviations: Any, All. Which one checks every bit?
- IGRP and RIP update procedures & frequencies?
- Exterior Routing Protocols allow what to communicate?
- Wildcard Masking - Can you do it?
- Spanning Tree Protocol - One way to prevent routing loops
- Switching - What layer does it happen at? What are the benefits?
- Switching Methods - Fragment Free, Cut-Through, Store-Forward
- Know the 2 parts of Novell's IPX addressing scheme
- Standard vs. Extended Access Lists, Placement of them.
- Access Lists Numbers - Can you identify the type of access list from the number?
- Effect of Access Control Lists on Network Security.
- MDF/IDF placement of devices in each.
- Loopback test - 127.0.0.1 - What does this tell you?
- Define Latency
- What are implicit deny all statements?
- LAN design & Troubleshooting Process
- Define Cost Factor
- Possible solutions to Routing Loops. Name at least 2.
- Types of Records: Security, Software, Maintenance, Policy
- Novel Encapsulation Types: SAP, ARPA, Novell-Ether. Know all of these well.
- Autonomous System Number - What is this used for?
- When do link state protocols update?
- Static / Dynamic, Port Centric VLANs.
Similarities and differences