



NETWORKS MANAGEMENT COMPETITION

Sample Questions for e-MCOs phase:

- Which of the following correctly describe the various functions of router? (Choose two)
 - Packet switching
 - Access control list
 - Path selection
 - VLAN membership assignment
- Both bridges and switches are being used throughout TechElite-LAN. Which of the following statements are true regarding bridges and switches in this network? (Choose three)
 - Switches are primarily software based while bridges are hardware based.
 - Both bridges and switches forward Layer 2 broadcast.
 - Bridges define broadcast domain while switches define collision domains.
 - Switches have higher number of ports than most bridges.
 - Bridges are faster than switches.
 - Both bridges and switches make forwarding decisions based on Layer 2 addresses.
- Two departments at NED main campus must be connected to use Ethernet with a bandwidth of at least 100 Mbps. The network administrator is concerned about possible problems from voltage potential differences between two departments. Which type of media should be used for the connection?



- STP cable
- UTP cable
- Fiber optic cable
- Coaxial cable

4. Which two of the following are advantages of L2 Ethernet switches over hubs?
- a. To increase the size of broadcast domains.
 - b. To filter frames according to MAC addresses.
 - c. To allow simultaneous frame transmission.
 - d. To increase the maximum length of UTP cabling between devices.
5. Given the IP address range 192.168.1.0 to 192.168.1.255, which network mask segments these address into 16 subnets?
- a. 255.255.255.252
 - b. 255.255.255.224
 - c. 255.255.255.128
 - d. 255.255.255.240

