Example Questions on Network Management Course

1. What is a socket and why is it used for?

2 How are TCP and UDP sockets identified?

3. How can TCP connection establishment be exploited for port scanning?

4. What is the content of a BGP UPDATE message?

5. How are routes learnt by eBGP propagated within an AS? Why is iBGP more preferable to IGP?

6. Why would an AS prefer eBGP over iBGP? What is this particular routing policy called?

7. What is the preferred route from AS3 to the prefix 1.0.0.0/8 in the following topology?
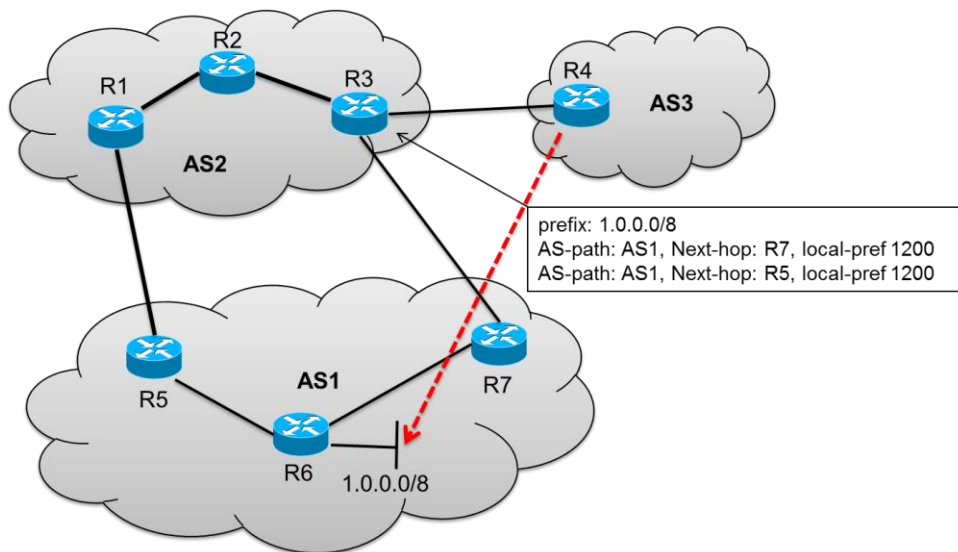
8. What is the role of an application gateway? How is it used in conjunction with a firewall?

9. What are the advantages and limitations of Ethernet architecture, especially for large-scale enterprise networks?

10. What is the purpose of virtual switching in a virtualized server? Is there any technology for virtual switching?