**Networking Questions**

1. What are the differences between a LAN and a WAN?
2. What are the differences between a Client-Server network and a Peer-to-peer network?
3. Describe the star LAN topology.
4. The mesh topology common to WANS gives multiple alternative pathways between devices. Why is this an advantage?
5. What are the advantages of using ***bounded media*** (copper/fibre) to connect network devices versus ***unbounded media*** (any form of wireless)?
6. Protocols are critical for data communication between machines. What do they do?
7. IMAP and POP3 are two protocols associated with e-mail. Describe what they do.
8. Networked devices are identified in three different ways: MAC address, IP address, host name.
9. Give an example of each.
10. Which are numbers?
11. Which can be changed?
12. Which are designed for humans to easily understand?
13. Which tell you something about the network a device belongs to?
14. Which are used to route packets between networks?
15. Which are used to route packets between devices on the same network?
16. Which two are linked by DNS?
17. Explain how a packet switching network works
18. State two threats specifically to ***system*** security and for each, outline ways to try to prevent them happening.
19. State two threats specifically to ***data*** security and for each, outline ways to try to prevent them happening.