**Multiple answer questions**

1. The following system calls are/is optional at the level of a TCP client:
2. socket()
3. listen()
4. **bind()**
5. connect()
6. Which one/ones of the following addresses have to be identical for all computers located in the same local network(from a physical and logic point of view)
   1. **Network address**
   2. **Broadcast address**
   3. IP address
   4. MAC address
7. The ARP protocol helps with:
8. Determining the IP address when the MAC address is known
9. **Determining the MAC address when the IP address is known**
10. Determining the IP address when the DNS server is known
11. DHCP is a client/server protocol that automatically provides an Internet Protocol host with its:
12. **IP address**
13. **Subnet mask**
14. MAC address
15. **Default gateway**
16. The maximum number of hosts a network with the netmask 255.255.255.224 is capable of supporting is:
17. 2^(number of zeros in netmask)
18. 32
19. **30**
20. 16
21. The natural mask for a class A address is :
22. 255.255.255.0
23. 255.226.255.0
24. **255.0.0.0**
25. 255.255.0.0
26. Consider the following netmask: 255.255.0.0, the network part(network length) is formed by a number of bits equal to:
27. 24
28. **16**
29. 8
30. Impossible to determine