EXERCÍCIOS DE APLICAÇÃO – CÁLCULO DE SUB-REDES

1. Which of the following is the valid host range for the IP address 192.168.168.188 255.255.255.192?
    a. 192.168.168.129-190
    b. 192.168.168.129-191
    c. 192.168.168.128-190
    d. 192.168.168.128-192

2. What is the subnet address of the IP address 192.168.100.30 255.255.255.248?
    a. 192.168.100.32
    b. 192.168.100.24
    c. 192.168.100.0
    d. 192.168.100.16

3. What is the valid host range the IP address 172.16.10.22 255.255.255.240 is a part of?
    a. 172.16.10.20-172.16.10.22
    b. 192.16.10.1-172.16.10.255
    c. 192.16.10.16-192.16.10.23
    d. 172.16.10.17-172.16.10.31
    e. 172.16.10.17-172.16.10.30

4. Which of the following is the broadcast address for a Class B network ID using the default subnet mask?
    a. 172.16.10.255
    b. 172.16.255.255
    c. 172.255.255.255
    d. 255.255.255.255

5. What is the broadcast address of the subnet address 10.254.255.19 255.255.255.248?
    a. 10.254.255.23
    b. 10.254.255.24
    c. 10.254.255.255
    d. 10.255.255.255

6. What is the broadcast address of the subnet address 172.16.99.99 255.255.192.0?
    a. 172.16.99.255
    b. 172.16.127.255
    c. 172.16.255.255
    d. 172.16.64.127