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| 1. A host in your network has been assigned an IP address of 192.168.181.182 /25. What is the subnet to which the host belongs? | 1. 192.168.181.128 /25 2. 192.168.181.0 /25 3. 192.168.181.176 /25 4. 192.168.181.192 /25 5. 192.168.181.160 /25 |
| 1. Which of the following is not the valid host IP that does not belong to the subnet 100.100.1.128/25. | 1. 100.100.1.127 2. 100.100.1.129 3. 100.100.1.254 4. 100.100.1.130 |
| 1. What is the range of assignable IP addresses for a subnet containing an IP address of 172.16.1.10 /19? | A. 172.16.0.1 – 172.16.31.254  B. 172.16.0.1 – 172.16.63.254  C. 172.16.0.0 – 172.16.31.255  D. 172.16.0.1 – 172.16.31.255  E. 172.16.0.0 – 172.16.63.254 |
| 1. You are assigning IP addresses to hosts in the 192.168.4.0 /26 subnet. Which two of the following IP addresses are assignable IP addresses that reside in that subnet? | 1. 192.168.4.63 2. 192.168.4.62 3. 192.168.4.32 4. 192.168.4.64 5. C and D |
| 1. You are a network administrator and you are asked to develop an IP addressing plan with 192.20.20.0/24 to allow the maximum number of subnets with as many as 50 hosts each. Which IP address range meets these requirements? | 1. 192.20.20.0/27 2. 192.20.20.0/26 3. 192.20.20.0/29 4. 192.20.20.0/28 5. 192.20.20.0/25 |