1. GEHU has a central office with 1092 hosts and three remote sites, with 600 , 120, and 60 hosts. The remote sites are connected to the central office by WAN link. They have been assigned a network address of 128.81.0.0 /16 .

Design a appropriate IP ADDRESS ID using a) FLSM B) VLSM

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| 2. | A network administrator is connecting hosts A and B directly through their Ethernet interfaces, as shown in the illustration. Ping attempts between the hosts are unsuccessful. What can be done to provide connectivity between the hosts?  https://www.indiabix.com/_files/images/networking/203-1.png   1. A crossover cable should be used in place of the straight-through cable. 2. A rollover cable should be used in place of the straight-through cable. 3. The subnet masks should be set to 255.255.255.192. 4. A default gateway needs to be set on each host. 5. The subnet masks should be set to 255.255.255.0. |
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| 3. | Which two statements describe the IP address 10.16.3.65/23?   1. The subnet address is 10.16.3.0 255.255.254.0. 2. The lowest host address in the subnet is 10.16.2.1 255.255.254.0. 3. The last valid host address in the subnet is 10.16.2.254 255.255.254.0. 4. The broadcast address of the subnet is 10.16.3.255 255.255.254.0. |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 1 and 3 | | [**B.**](javascript:%20void%200;) | 2 and 4 | | [**C.**](javascript:%20void%200;) | 1, 2 and 4 | | [**D.**](javascript:%20void%200;) | 2, 3 and 4 | |
| 4. | Your router has the following IP address on Ethernet0: 172.16.2.1/23. Which of the following can be valid host IDs on the LAN interface attached to the router?   1. 172.16.1.100 2. 172.16.1.198 3. 172.16.2.255 4. 172.16.3.0 |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 1 only | | [**B.**](javascript:%20void%200;) | 2 and 3 only | | [**C.**](javascript:%20void%200;) | 3 and 4 only | | [**D.**](javascript:%20void%200;) | None of the above | |