Networking Subnet Questions/Exercise

1

Details	Question
IP - 192.168.1.23 Subnet Mask - 255.255.255.0	A. Which Class? B. How many Subnets? C. IP belongs to which subnet - state the Network Address and Broadcast address of the subnet?

5

Details	Question
IP - 192.168.1.252 Borrowed 2 bits from the Host bits	A. Which Class? What is the Subnet Mask? B. How many Subnets? Hosts/Subnet? C. IP belongs to which subnet - state the Network Address and Broadcast address of the subnet?

2

Details	Question
IP - 192.168.1.178 Subnet Mask - 255.255.255.128	A. Which Class? B. How many Subnets? Hosts/Subnet? C. IP belongs to which subnet - state the Network Address and Broadcast address of the subnet? D. State the Network address and broadcast of all the other subnets.

6

Details	Question
IP - 192.168.1.128 Subnet Mask - 255.255.255.128 IP - 192.168.1.64 Borrowed 4 from the Host bits	A. How many Subnets & Hosts/Subnet for each IP? B. Are it the IP address(s) mentioned can be a host?

3

Details	Question
IP - 192.168.2.19 Subnet Mask - 255.255.255.224	A. Which Class? B. How many Subnets? Hosts/Subnet? C. IP belongs to which subnet - state the Network Address and Broadcast address of the subnet? D. State the Network address and broadcast of all the other subnets.

7

Details	Question
Need to design a Class C network (with Subnets only) at your small office having 125 employees and 5 departments each having 25 employess. Also, you need to keep provisions for expansion of 2 more departments in the next 1 year.	A. What kind of Subnet Mask you will choose? B.Please state the subnets along with their Network & Broadcast address(s) C. In case you need to also keep provision of 5 more extra employees for each department will your solution work?

4

Details	Question
IP - 192.168.3.127 Subnet Mask - 255.255.255.240	A. Which Class? B. How many Subnets? Hosts/Subnet? C. IP belongs to which subnet - state the Network Address and Broadcast address of the subnet? D. State the Network address and broadcast of all the other subnets.

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Details	Question
IP - 172.16.0.168 Subnet Mask - 255.255.240.0	A. Which Class? B. How many Subnets? Hosts/Subnet? C. IP belongs to which subnet - state the Network Address and Broadcast address of the subnet? D. State the Network address and broadcast of all the other subnets.