

25-Summer-CSE421-1

Quiz 6-A

Marks: 15

Time: 20 mins

Name:

ID:

Serial:

Your company gave you a broadcast address of 7.16.255.255/18. Your company network needs to be divided into different subnetworks. The topology for your company network is shown on the side. **The number of hosts given in the topology only includes the end devices.**

1. Apply VLSM using the network address derived from the given broadcast address to create the sub network addresses for the topology shown efficiently. [2+10]
2. Calculate the number of IP addresses that will be wasted for the R4 LAN [3]

