**Q.1 What Is The Subnetwork Address? If The Destination Address Is 19.30.80.5 And The Mask Is 255.255.192.0**

**19.30.80.5 = 00010011.00011110.01010000.00000101**

**255.255.192.0 =2^18**

**subnetwork address = 00010011.00011110.01000000.00000000 = 19.30.64.0**

**Q.2 A Company Is Granted The Site Address 181.56.0.0 (Class B). The Company Needs 1000 Subnets. Design The Subnets.**

**2^9=512<1000< 1024 = 2^10**

**So subnet is 11111111.11111111.11111100.00000000 = 255.255.252.0**