|  |  |  |  |
| --- | --- | --- | --- |
| IP Address | Subnets | Hosts | Subnet mask |
| 192.160.5.2 | 10 | 11 | 255.255.255.240 |
| 10.23.2.3 | 1020 | 250 | 255.255.255.0 |
| 172.16.17.3 | 400 | 100 | 255.255.255.128 |
| 194.168.32.5 | 15 | 12 | 255.255.255.240 |
| 172.16.14.0 | 230 | 190 | 255.255.255.0 |

**Cs610 Assignment no 3**

**Q No 1:**

**Solution**

**2, 4, 8,16,32,64,128**

2\*4=16-2=14

2\*8=256-2=254

2\*7=128-2=126

2\*4=16-2=14

2\*8=256-2=254

2^3 = 11111111.11111111.11111111.00000000

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

255

**Q No 2:**

**Solution**

|  |  |  |
| --- | --- | --- |
| IP Address | mask | CIDR notation |
| 134.21.25 | 255.255.255.248 | 134.2.1.25/29 |
| 172.16.25.0 | 255.255.192.0 | 172.16.25.0/18 |
| 10.18.2.1 | 255.255.128.0 | 10.18.2.1/25 |
| 194.125.10.0 | 255.255.255.240 | 194.125.10.0/28 |
| 200.10.2.1 | 255.255.255.252 | 200.10.2.1/30 |