BASE NETWORK: 192.168.1.0

NO. OF SUBNET = 3

NO OF SUBNET = 2^n

2^n = 3 =🡺 n= 2 🡺 no of borrow bits

Class C = 255.255.255.0 ==🡺 11111111.11111111.11111111.000000000

After borrowing 2 bits: 11111111.11111111.11111111.110000000

**New subnet mask** = 255.255.255.192

**Block size** = 64

**1st subnet**

Net ID: 192.168.1.0

Broadcast ID:192.168.1.63

Host Range:192.168.1.1 – 192.168.1.62

**2nd subnet**

Net ID: 192.168.1.64

Broadcast ID:192.168.1.127

Host Range:192.168.1.65 – 192.168.1.190

**3rd subnet**

Net ID: 192.168.1.128

Broadcast ID:192.168.1.191

Host Range:192.168.1.129 – 192.168.1.190