Sahil Dattatray Mohite classmate B1-30 12010501 subject the class IP address 195.1.1.0 so that you have to subnet's each with a maximum 12 hosts in each with a maximum m 12 hosts in each subnet list every 1st IP of each subset. current mack = 255.255.255.0 Bits needed for losubnets = 24 = 16 possible subnet Bits needs for 12 host = 4 = 16-2 = 14 possible 50, mask in binary = 11110000 = 240 decimal Final mask = 255.255.255.240. Sybnet host IP address 195.1.1.1 0000 0001 0 0001 0001 195.1.1.17 0010 0001 195.1.1.33 195.1.1.49 0011 0001 0100 0001 195.1.1.65 195.1.1.81 0101 0001 195.1.1.97 0110 000 195.1.7.113 0111 0001 195.1.1.129 1000 0001 195.1.1.145 1001 0001 195.1.1.165 1016 0001 16 195.1.1.187 1011 000 11 195.1.1.193 12 1100 000

B± 30	Q some
Q.2) ->	Decimal 248 = 11111000 binary which mean that 3 bits of this octot are used for the subnet. Now add the 16 bits 255,255. and we have 21 bits. So we write 135.1.1.25/21
Q.3) ->	write 282.1.1.20 JP & most 255.255.25 in CIPR notation Decimal 192 = 11000000 binary which me 2 bits of this octate are used for the Subnet. Now add the 24 bits 255.255.255 and we have 26 bits. So we write 222.1.1.20/26
Q,4)	CDR block 192.1.16.027 is given by the PS create subnet's for internal routing & write 1st tp & last 1p of each subnet given. Find subnet mask for the follow IP address.
1)	10.10.10.10 8 255.0.0.0
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dissuite. BI 30 2) 172.168.1.116 → 255.255.0.0 3) 192.168.1.124 -> 255.285.255.6 4) 192.168.128 -> 255.255.255.244.