9001 - nelieve network > Subnotting : Ex: 10 Add: 192.168.20.0 Subnet mask: 255.255.255.192 class c fixed (custom) PHOST Pen subnet Block Size = 256 - 192 = 64 on, 26=64 (Range) 2) No. of subnets : Subnet mask: 255.255.255.192 1111111. 11111111. 111111111. (11)000000 $\begin{array}{ccc} : & \text{subnets} \\ & = 2 & = 4 \end{array}$

3) no. of valid host in each subnet: 2 network bits valid host no. = 26 - 2) ned id

(each subnet) = 62 lost for brown : host bit = 6 (0)

4) 1st and last valid host of each subnet.

```
192.168.20.0 -> 192.168.20.64 -> 192.168.20.
                                    -) 192.168.20.192
                                        (Range 64, 64 add each time
the first valid host: (1^{5} + x)

No. 192.168.20.1 \rightarrow 192.168.20.65 \rightarrow 192.168.20.129
Last valid host: 192.168.20.62 → 192.168.20.126

-> 192.168.20.100
                      -> 192·168·20.190 -> 192.168.20.254
       Broad cast Add: 192.168.20.63 → 192.168.20.127
                         \rightarrow 192.168.20.191 \rightarrow 192.168.20.255
         ( Last add of Range)
            192-168-2-10/27
             a) what is the subnet mask?
       Ex:
                1111111. 1111111. 11111111. 11100000
                               127 bits
              dec: 255.255.255.224 (custom sub.mask)
             b) no. of subnets: □.□.□.1100000
                                  3 not bits
                                \therefore \text{ subnets} = 2^3 = 8
```

```
c) Block size / Host pen subnet: 256-224
    host bith on, 26 = 32
d) find out the Inet add ?
-> 2P: 192:168.2.10
     11000000.10101000.00000010.00001010
        27 net.bits
                                     nostbits
                                   -makeit
    50mg. 5. 5. 00000000
ret od! 192, 168. 2. 0 4
P) Find out the broadcast address?
  -> 192.168.2.10
  11000000. 10101000.0000010.00001010,
                                - make all 1
      口. 口. 口. 00011111
   -> 192. 168. 2. 31 (broadcast add.)
f) Lost valid hiosts: ?
   -> Before broadcast : 192.168.2.30
 9) 1st valid host: 192.168.2.1
```