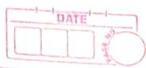
04/8

And out subnett most, number of addresses y wable host if given obe 192.168.1012 step! Understand the CIDP notation 192. 162. 10126 is not oddr step 2: 126 this means that 1st 25 bits of the address 'represent the risturbula portion & the semaining bit sepresent nest portion that is 25 + 5 = 32 step 2: convert it to binory. 190 163 1 11000000 10101000 00000011 11st postion & not post on step 3: find subnet mak 1 All not portion vill be 1 & rost sono 1111111 . 1111111 . 1111111 . 11000000 step: calculate net provident oddren. 1) All host must zero

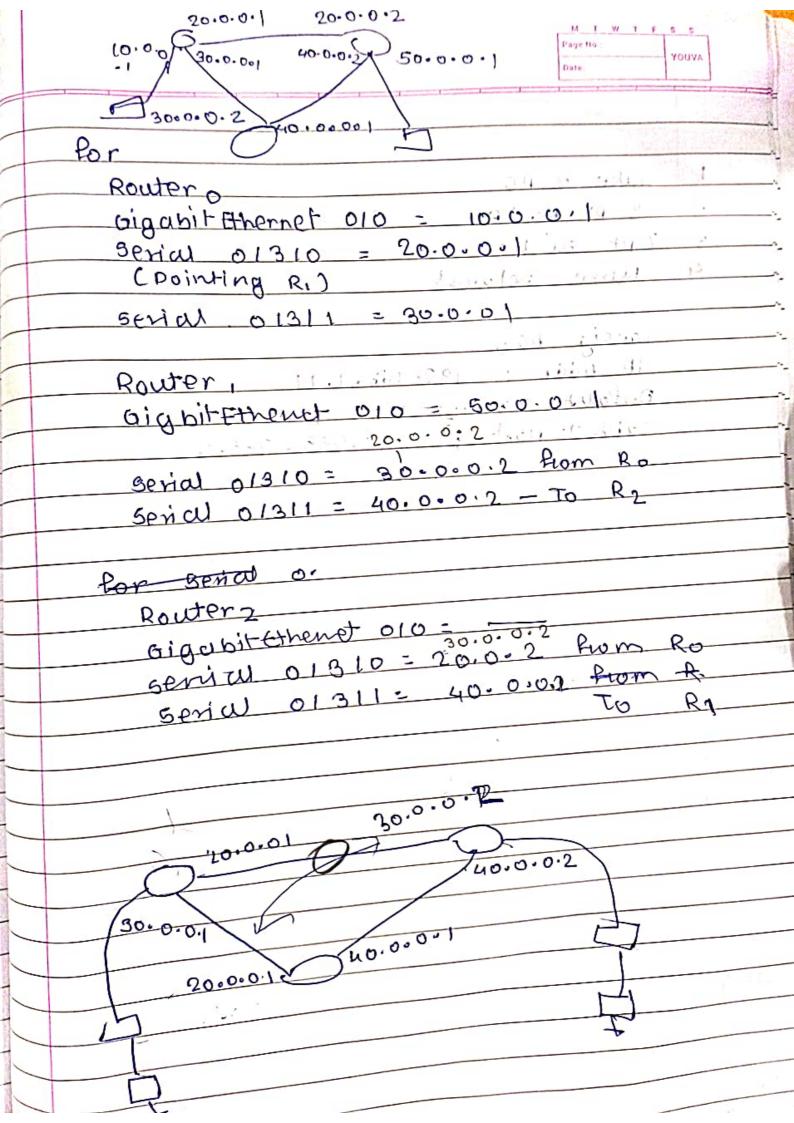
	ad adress all host bits
4	Network address: at net oddress all host bits
	network address: at net address all host hits while calculating net address all host hits
,	11000000 10101000 00000000 00 000000000
	016 193
-	100000 1010100
-	11000
*	
	i) Broodcast oddres bits will be one
	all host bits will be one
	11000000 10101000 00000001 -00 111111
	10101000 00000
	1100000
1	100 1
	197
1	step: calculate number of nost
1	step: Calau ac
	host bits = 2
	host = 26-
<u>R</u>	nost = 26 C including network & broadcast
<u></u>	
	* * * * * * * * * * * * * * * * * * * *
-	Usable: host = 64-2 = 62
1	
ì	net broad addn addn
3	adan
	step 6: Identify ip runge
	Antipadr = 192.168.1.621
	100.1.64
	Last 16 adds : 125.128.1. 2
9	- 17.188.1.82.
3	
	West Control of the C



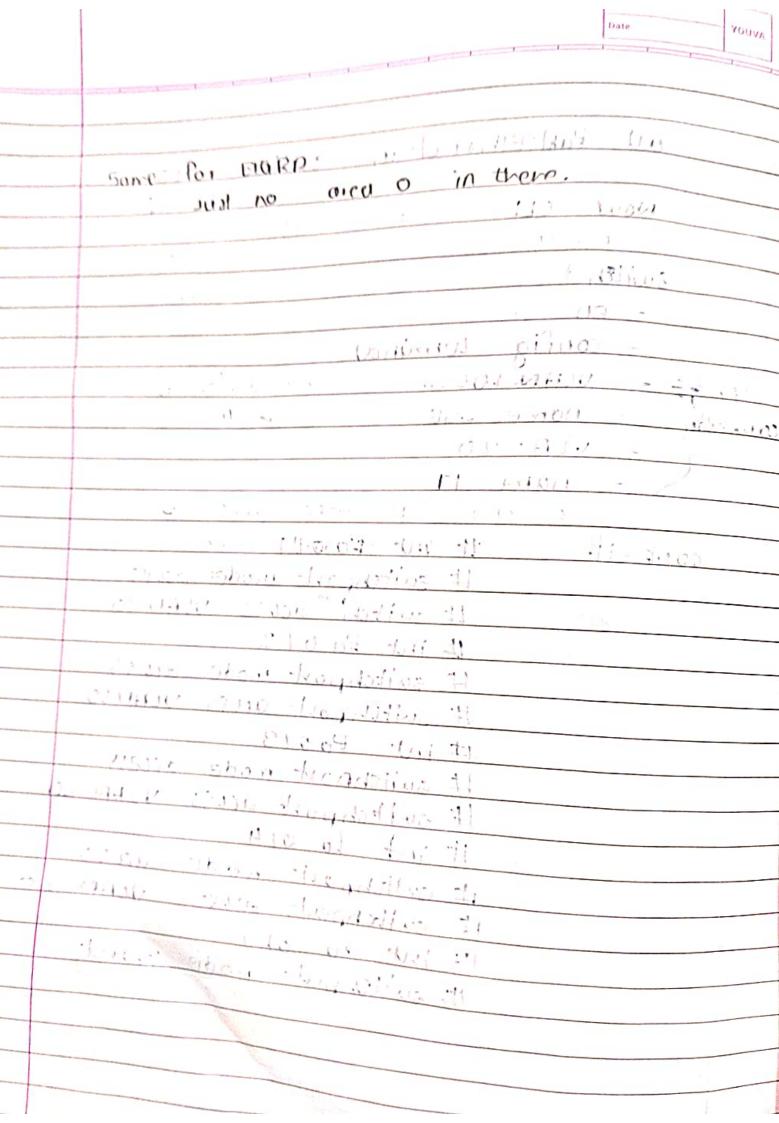
	Given networks . 192.168.10.0126						
	otep: understan CIDA notation 192.168.10.0124 is net addr						
	steps: 26 bits represent network address						
	195 1000000 101010000 00000000 00000000 000000						
	network portion host portion						
	step 3: find subnet most						
1							

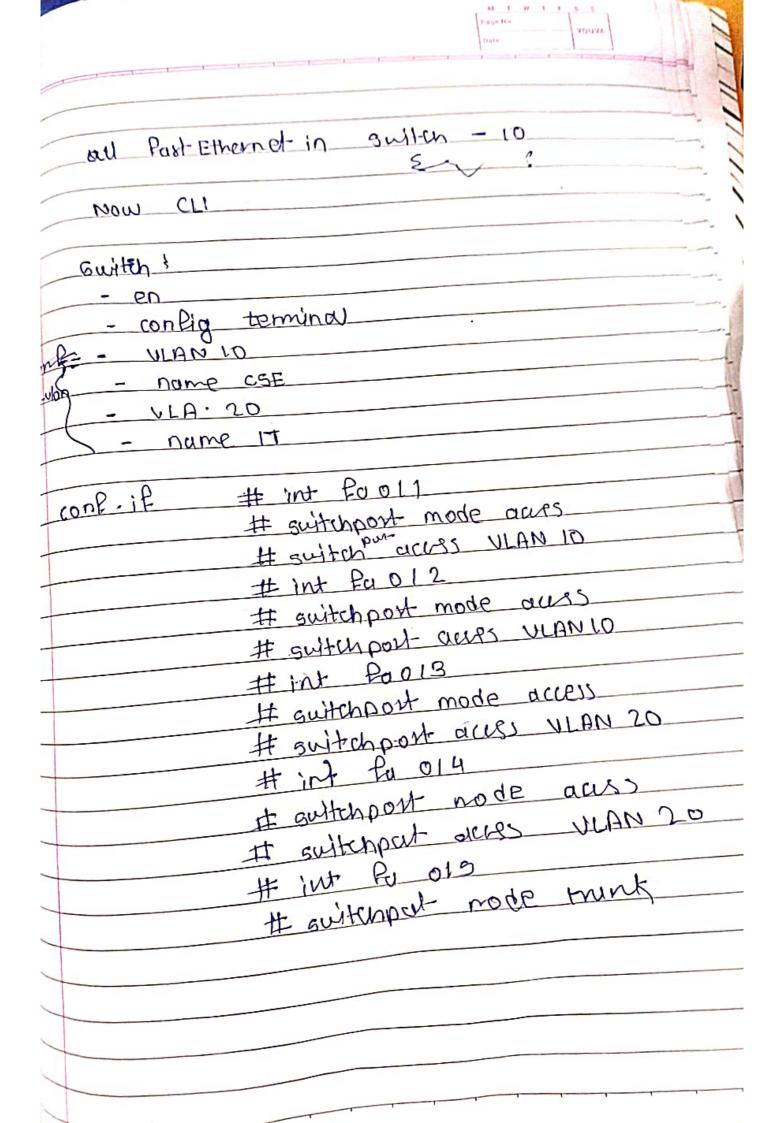
 17/11/ 5/00/4
Par OSPF
& PC-1
or osing pro & pro
2 guitches 22960
2) then go take 2 guitches of 2960
take 3 router's of versio 2911
3) then switch take concen
3) the from PC to router take copper switch to
3) the from PC to touter witch to # strait & some for switch to
Eowter
3) then serial DEE or for 3 nouter
after offia suich & adding
ofter offig suich & adding HWIC-27 & then again on
the suitches
- 1-A
Now for pco & pcol
PCO
Desktop -> 1PV4 Addrss = 10.0.8.2
Default Gatevery: 10.0.0.1
orami aaretag 10.00
DC.
= + 50.0.0.2
50.0.00
50.0.00
Now the Router
, somet,

....



Now conds Router (config) i # router orpf. 10 Route (config - rower) # network 10.0.0.0 0-255 255 257 1 0460 0 11 tt novode 20.0.0.0 0,295,295,255 ora 0 thetrook 30,0000 dt 0:255.255.255.000 Refine . at . and o the to g Router (config) # router orpf @ 14 network 30 20 13.10 d. -tsin- 100 (94) mingo many resound Router 2 Hexit I and I am and a mile Router (conlig) It router out 12 1114 the network 301001 -11 national and a on





VIBN 10 naive VLAN in asco S C STANDARDISTER T. D Take 4 PC ... Light 101110 2) 1 south 1 11. 161 hho 41. 1) 1 router · Committee of the state of the co configuration . similar of PC0 - 1P 192.168.1.10 gaterry 192.16.1.20 4 Dc, - 10 192.168.1.20 Gateury 192.168.1.1 for PC2 - 10 192.168.2.10 acteury 192.168.2.2 DE a - 10 199. 188. 2.20 authorit 195.18.5.5

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