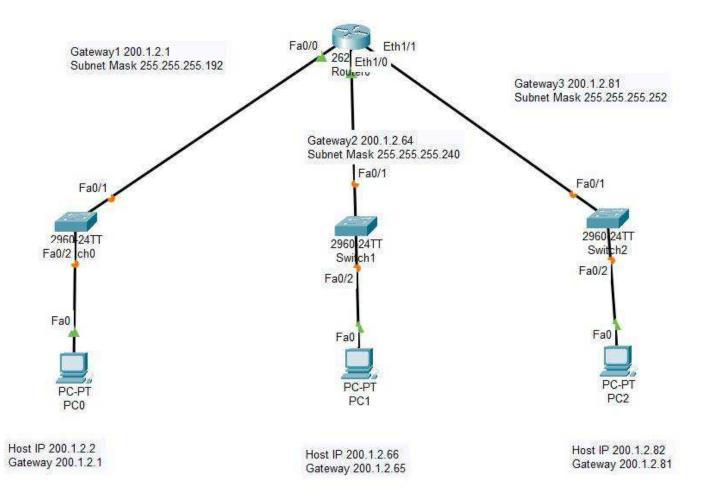


	peacock Date			
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	Expt. No.			
-	Routing & Submetting			
-				
1	Subject 1 50 Hosle> 64 No> 200, 1.2.0,			
Cop Cop	Subnet & 12 hosts, >16			
	Subnet 3 2 hoels> 4			
100	N/w add = 200.1.2.0			
SOX	DBA + 200.1.2.63			
	Submet mask > 255. 255. 255. 192.			
-				
_	(SN2)			
	N/w adds => 200.1.2.64.			
	DBA -> 200.1.2.79			
	Subnet mark - 3 255. 255. 255. 240.			
	(9NB)			
	N/w adde + 200.1.2.80.			
	DBA -> 200.1.2.83			
	Subnet mask 25t. 285.255.252			
	JUNELL WILLS			
0)	How does a router receive & docide ushich port to send the			
67	How does a rough state of			
0	packet to?			
200	A router receives a packet shalled on the destination IP			
	address and then conseeds the round less sould			
	address and then consults the routing table to decide which			
	'Teacher's Signature			

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	Paralle San					
	Routing Table.					
-	The routing dable is essentially a lest of routes or paths.					
	that a router uses to deter mine which port or					
	irlenjare to josepasol the packet to.					
	It conseils of					
		•				
0	Dostination Network: The network or IP radoes range					
	their the pa	chot is being sent	to.			
	MANAGERIA	V				
0	Next hop: IP address of the next router or device					
	to forward the packet to.					
	V		That should			
•	Interface: the routers outgoing post that should be used to seend the parket.					
	be used to send the packet.					
	0 1 1 2 2 2 2 2	Cul al mark of	the designated network			
•	Subject Mask o	Supply man	the designated network.			
	In the above example the IP mouth table looks like.					
		Subnet Mark	I Interface			
	Network					
	200.1.2.0	255.255.255.192	0			
	200.1.2.64	255.255.255.240	1			
	200.1.2.80	285,285,265,252	3			
			Teacher's Signature			
1						

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has whelh network.	
en paing 200.1.2.70.	
	operation of subnot mark & 17 of how percork address then that
200.1.2.64 200.1.2.64	
Case 2 200.1.2.7	е.
2 255.255.255	
200.1.2.6	
MI In the second	
	A)
	'Teacher's Signature



peacock	Date
Expt. No.	Page No. 29
Configure 3 metworks with 3 metwork must have at least the gateway itself. Networks 192.168.1.0. 192.168.2.0	
192. 168. 3.0 10.0.0.1 10.0.0.2 20.0.0 192. 168. 1.1 192. 168. 2.1 rough! rough!	192 168, 3, 1 noutlet 3.
192.168.1.2 192.168.2.2 Consiguring the routers after addresses.	
ip route 10.0.0.0 255.	255.255.0 10.0.0.2. 0.0.0 10.0.0.2. 255.25.0 10.0.0.2. .0.0.0 10.0.0.2.
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_ peacock	Date				
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tracelet command					
tracelet (trace sour	te) is used to trace the path a				
showing each hop along the coay.					
- esnowing carrinop	Valong the coay.				
en In the above e	nample.				
on the PC of 1	nample.				
* Adrace at 192.168	. 3.]				
1 0 ms 0 ms	Oms 192.168.1.1				
2 0 · 0 ms	0 m s. 10.0.0.2				
3 M o ms	oms 192.168, 3.1.				
Trace complete.					
	Submitted by				
	Deepak kuma Das				
	CS-1				
	2202040010,				
	Tarakaw'a Ciana				
	Teacher's Signature				