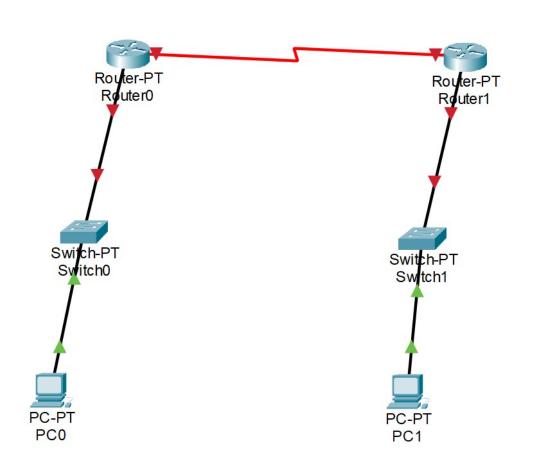
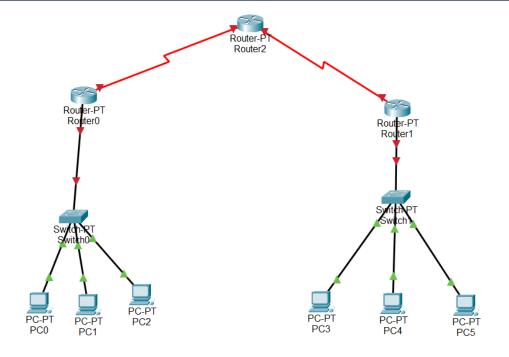
EXPERIMENT – 7

Setup a Network with Two Routers



Task 2: Extend the Network to More than Two Routers and PCs



1	A	PAGE No.	
i,	Ayesha Nautiyal, 500122	1 7	
	Assignment-7		
		Atritic scouting and	
	Explain the difference between static routing and dynamic routing clynamic routing		
	dynamic scouting.	dynamic routing	
<u>→</u>	Static routing Manually configured by a network administrater.	i) Automatically updates	
()	network administrater.	evolting tables using souting	
		clynamic routing i) Automatically updates evouting tables using souting protocols.	
		4 1 1 2	
(1)	No extra CPU or bandwidth	(i) Consumes CPU and bandwidth	
L.	No extra cou or bandwichth usage for route updates.	du to souting protocel	
		updates.	
(1)1	Small, stable networks	in large complex networks	
	Small stable networks where souths don't change	with beguent topology	
	Often.	in large, complex networks with frequent topology changes.	
	V	. 8	
(v)	Does not adapt to network	in) Adapts automatically to	
	changes onlis manually	network changes.	
<u> </u>	updated.		
0-	1.02 %	. 0	
100	why is crossover cable used for nouter to souter		
	connections, while a straight through cable is used for PC- to switch connections?		
	used when connecting two is along the		
	growth to growth switch to switch).		
	\mathcal{L}		
	chuice connects to the receiving and of		
	other.	and of	



	DATE
· · · · · · · · · · · · · · · · · · ·	Straight - Thorough cable :- used when connecting different durices like PC to switch, PC to south old. ensures proper communication without the need for righal cropsover. Describe the role of a default galeway in inter- network communication. A default galeway is a routh that acts as an access point for a local notwork to communicate with external such as internal. ushen an device wants to send data to distinction outside its subnot it forwards the packet to the cliquit gateway. The then determines the best nexts to forward the packet to its final destination.
+	

