

Name:	ID:
Time: 1 hr	Marks: 30

NB: Save all the commands in a text file

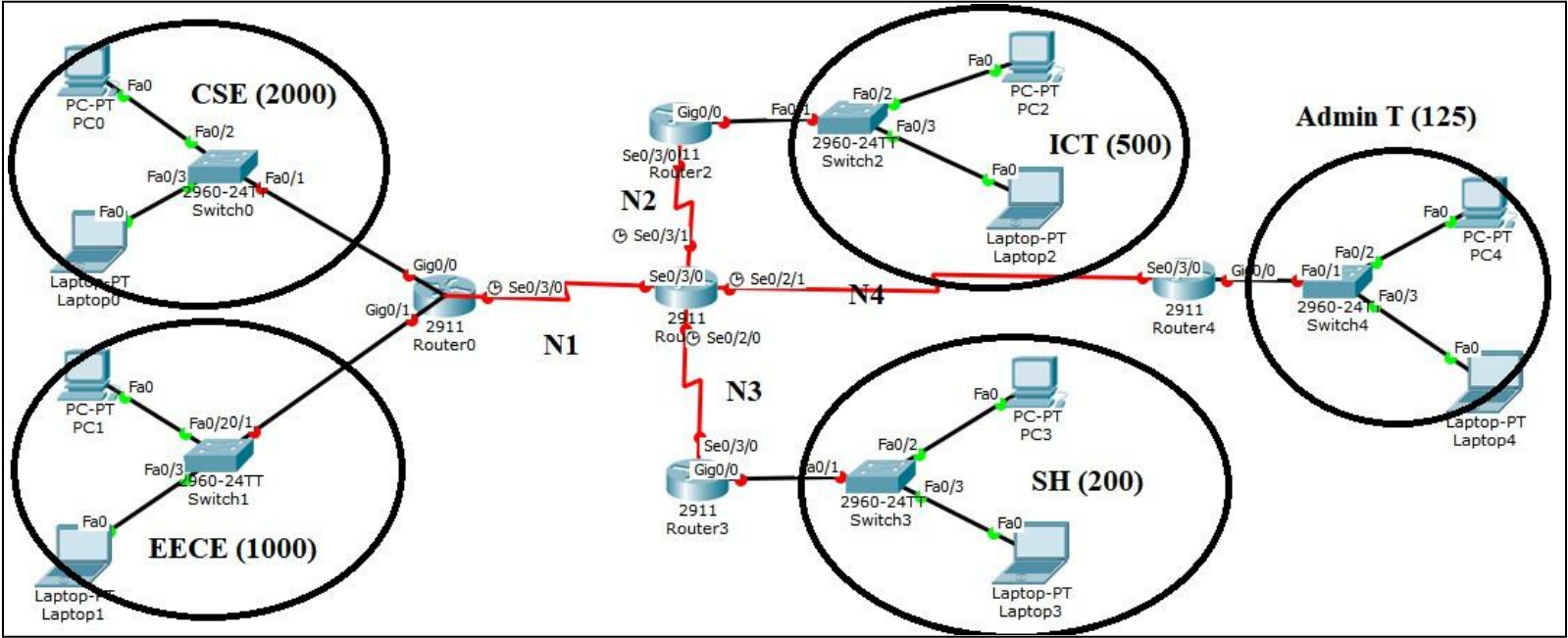


Fig: Network of five departments with their required number of PCs

Instructions	Allocated Marks	Obtained Marks
● Design the above network using IP Address <i>172.XX.0.0/16</i> (Make VLSM Table in a word document or excel and save it). Here, XX=Last two digits of your student ID.	8	
● Assign IP to each router interface.	3	
● Assign IP to each PC using DHCP (Assigned IP for each PC's should be within valid range.)	5	
● Ensure that each PC can communicate with the same network PCs .	5	
● Implement any Routing Protocol in the designed configuration. You must ensure the followings: ■ Ensure that each faculty can communicate with each other.	5	
● Overall Correctness	4	
Total	50	