GHARDA FOUNDATION

GHARDA INSTITUTE OF TECHNOLOGY, LAVEL

Department of Computer Engineering

Evaluation Sheet

Class: TE-Computer Engineering   Sem: V

Subject: **Computer Networks**

Experiment No: 5

Title of Experiment: Study of Classful IP addressing

Name of Student: Harvande Sanket Chandrashekhar Harvande   Roll No: 19

Sr. No.	Evaluation Criteria	Max Marks	Marks Obtained
1	Practical Performance	8	
2	Oral	5	
3	Timely Submission	2	
	Total	15	

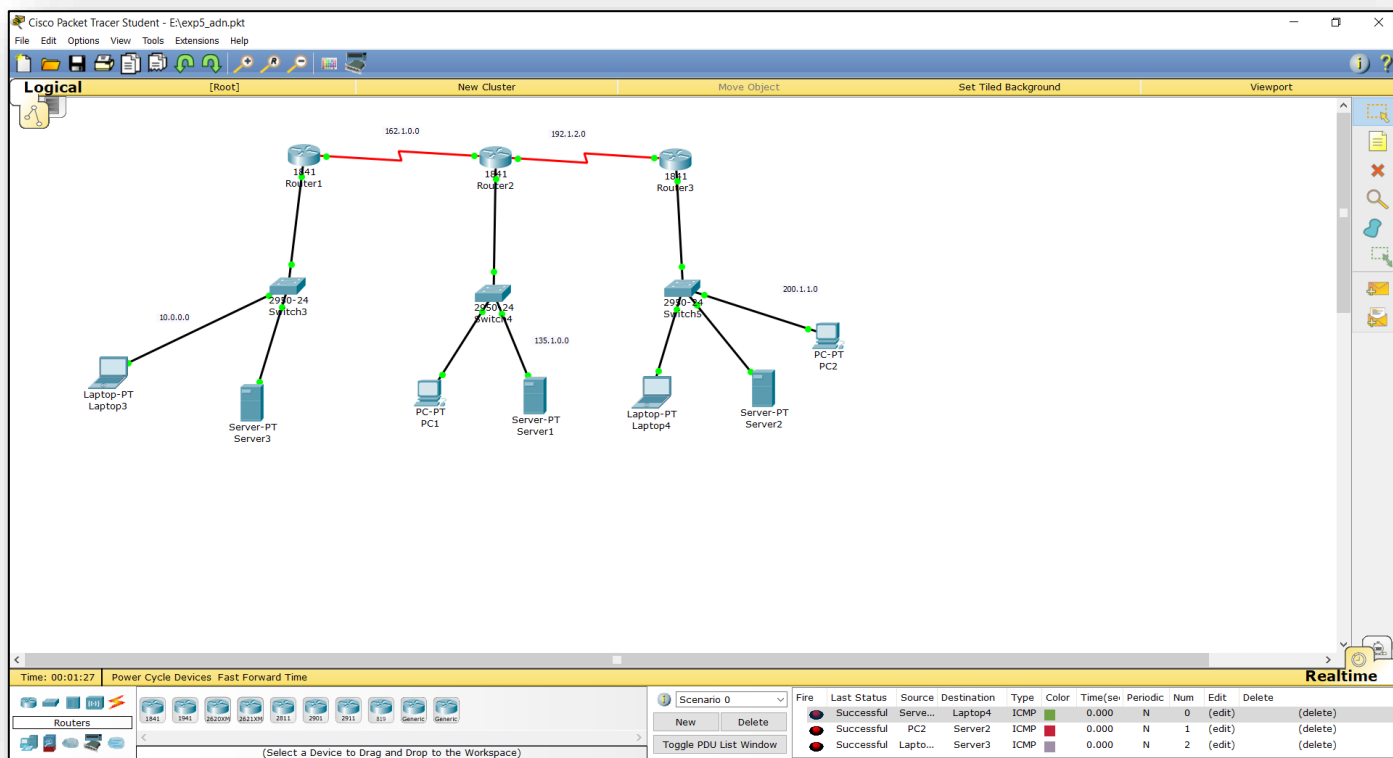Signature of Subject Teacher
(Mr. S. S. Tathare)

Aim: To study the implementation of classful IP addressing.

Apparatus: Packet Tracer software

Procedure:
1. Configure a network using at-least two switches, two routers and 4 PC.
2. Configure IP addresses of all PCs and the router interfaces using proper rules of classful addressing.
3. Ensure that all the connections turn green which indicate the connections as UP.
4. Check for the connectivity using ICMP ping command, the connectivity fails.
5. Configure dynamic routing on both the routers using distance vector routing protocol, RIP.
6. Check for the connectivity using ICMP ping command, the connectivity succeeds.

Screenshots:

Conclusion: Thus the study of the implementation of classful IP addressing in a network is done using Packet tracer software.