

# ASSIGNMENT NO: 7

**Title: Configure RIP Routing Protocol: (Use: Packet Tracer/GNS)**

**Aim:** Set up a network - configure interfaces, IP addresses and routing protocols (RIP,OSPF,EIGRP,BGP).

# Objectives:

1. To understand and implement routing protocols RIP in Cicso Packet Tracer.

# Theory: (Handwritten & Scanned)

* Include following points (Handwritten & Scanned)
  1. Routing Algorithms: Distance Vector Routing, Link State Routing, Path Vector Routing
  2. RIP (Routing Information Protocol) Implementation: Introduction, RIP Algorithm, RIP Messages, Key Features of RIP, Comparison between RIPv1 & RIPv2, RIP Timers.

# Design Screenshots:

* Paste design screen shots (with 2 routers at least)

# Commands used for the Configuration (for Packet Tracer Assignments)

# Write Steps followed for implementation of assignment (CLI Mode commands).

**Output Screenshots:**

Ping command between two machines which belongs to two different networks.

# Students Observation:

* Write observations

# FAQ (Handwritten & Scanned)

* Student's should write Answer for following questions

1. State the classification of routing protocols.
2. Explain Some Key Features of RIP.
3. Draw & Explain RIP Message Format?