WORKSHEET 2.3

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Subject Name: Computer Networks   **Subject Code: 21CSH-256**

1. **Aim**: Configure a network using Distance Vector routing Protocol using Packet Tracer or NS2.

2. **Objective:** To Understand Routing Mechanism.

3. **S/W Requirement:-** Packet TracerorNS2.

4. **H/W Requirement:-**

   • **Processor**– Any suitable Processor e.g. Celeron
   • **Main Memory** – 128 MB RAM
   • **Hard Disk**– minimum20 GB IDE Hard Disk
   • **Removable Drives** – 1.44 MB Floppy Disk Drive
                   – 52X IDE CD-ROM Drive
   • **PS/2HCL -** Keyboard and Mouse.

5. **Method:-**

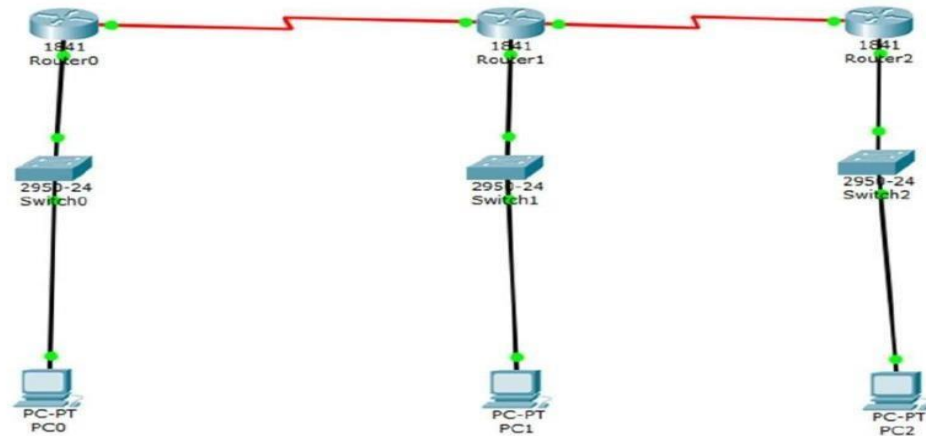   **Step-1:** Create simulator objects such as end devices, Routers and Switches.
   Step-2: Using switch connect all nodes to the router
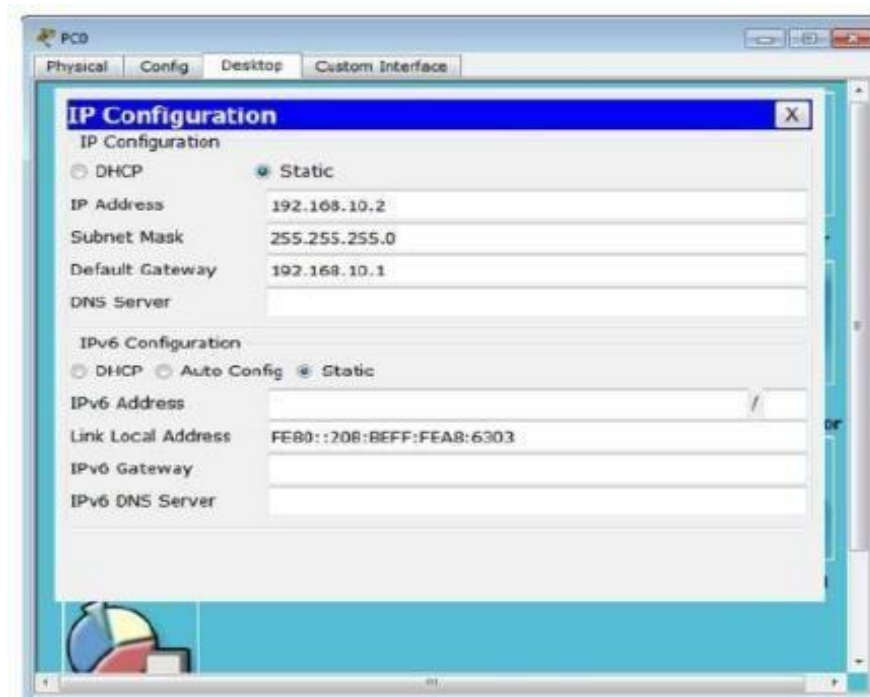   **Step-3:** For every node assign unique IP address
   Step4: Provide same Gateway IP.
   Step-5: Configure router as Network address
   Step6: Configure RIP Protocol.

Figure 1: Creation of simulator objects such as end devices, Routers and Switches and using switch connected all nodes to the router.

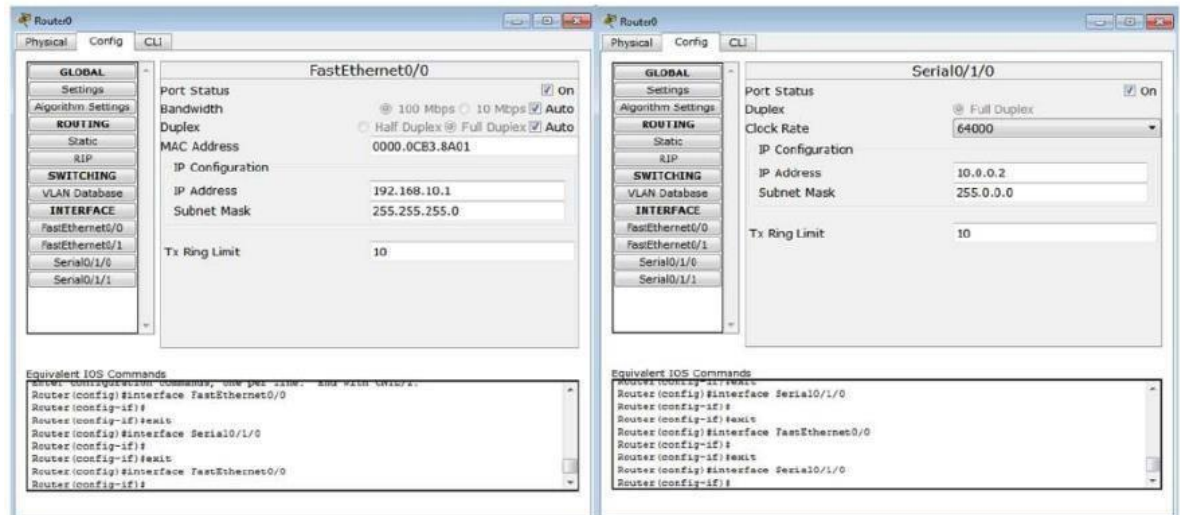

Figure2: IP address and Gateway assignment.
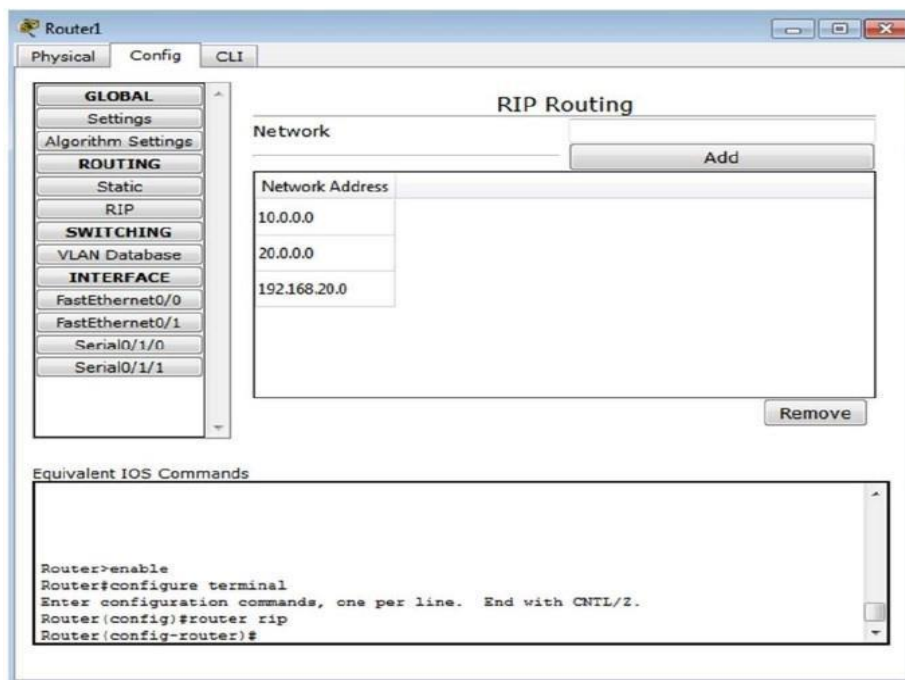
Figure3: Router as Network Address

Figure 4: RIP protocol configuration

RESULT: Simulated Distance Vector Routing Protocol.