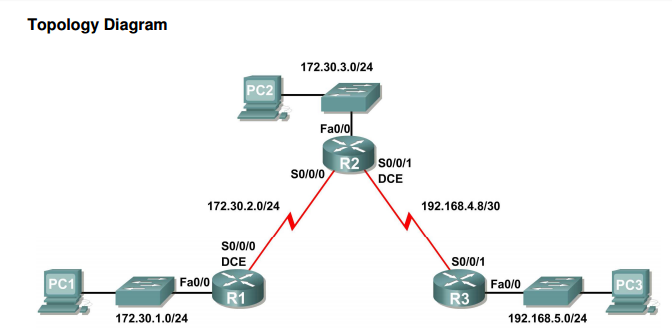
**RIP (Routing Information Protocol):**

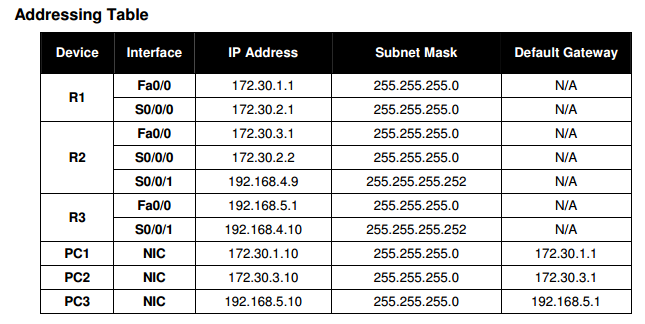
■ It is a distance vector routing protocol.

■ It uses hop count as its only metric for path selection.

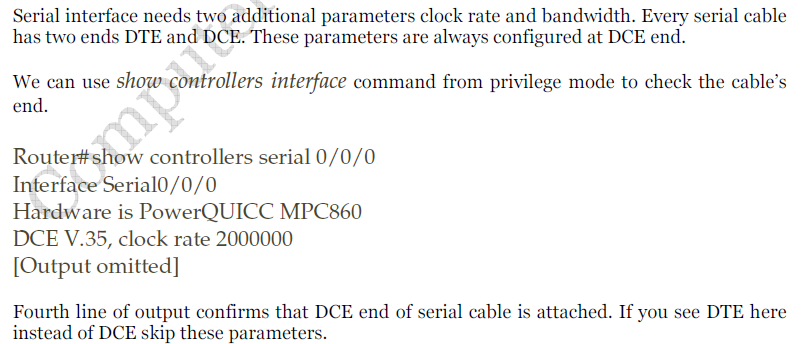
■ Advertised routes with hop counts greater than 15 are unreachable.

■ Messages are broadcast every 30 seconds.

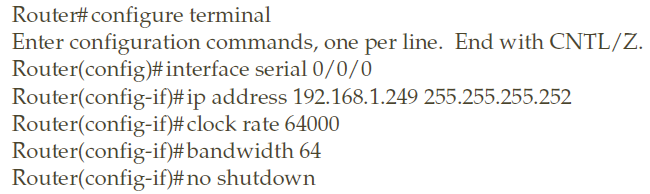




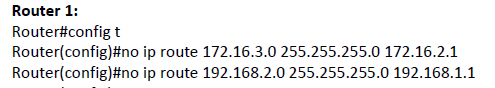
**Task 1: Check Serial line Data Terminal Equipment (DTE) and Data Communications Equipment (DCE):**

****

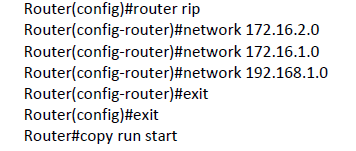
**Task 2: Set Serial line clock rate and bandwidth:**

****

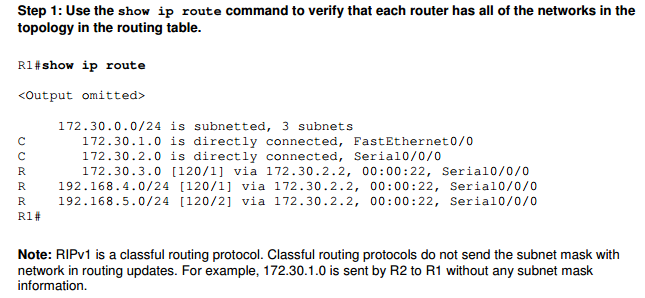
**Task 3: Remove static ip route:**

****

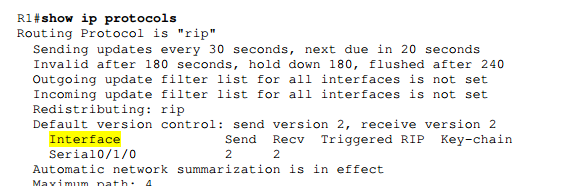
**Task 4: Configure RIP Protocol**

****

**Task 5: Verify RIP Routing**

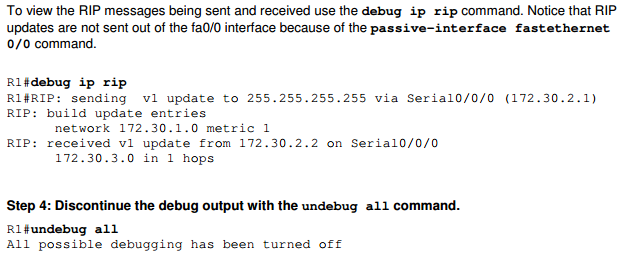
****

**Task 6: Verify that all necessary interfaces are active.**

****

**R1#show ip rip database**

**Task 7: View the RIP messages being sent and received:**

****

**Task 8: tracert**