RIP Protocol

Routers are connected using serial interface (S2/0, S3/0) with each other

Encapsulate point-to-point protocol (PPP), then configure RIP protocol

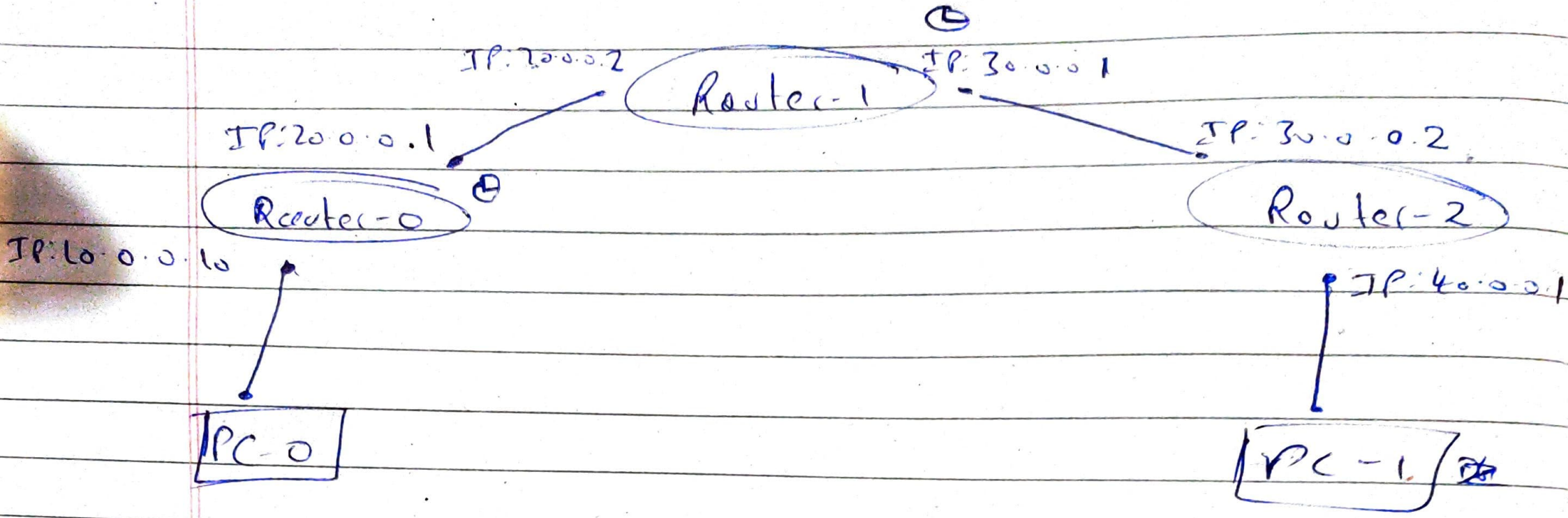
RIP - Routing Information Protocol

- Routers can use to exchange network topology information
- Typically used in small to medium-sized networks

RIP is a dynamic routing protocol which uses hop count as a routing metric to find best path between the source and the destination network

Hop count: number of routers occurring in between the source and destination network

- The path with the lowest hop count is considered as the best route to reach a network and so is placed in a routing table
- RIP prevents routing loops by limiting the number of hopes allowed in a path
- Maximum of 15 hop count is allowed



DG: 10.0.0.10
IP: 10.0.0.1

DG: 40.0.0.10
IP: 40.0.0.1

Encapsulation PPP
Clock rate 64000