

## 6(b) Configure RIP Routing protocol in Router

• We need to add routes to routers statically and this may become difficult if we have many. RIP protocol helps to overcome this problem. It copies the routing table of its neighbouring routes. Limit of its extension is 16 nodes in network.

• Hard to configure RIP protocol. Routing Information protocol is distance vector routing protocol. It knows only neighbours and doesn't know entire topology.

PPP → Point to point protocol - for serial clock connection. Clock rate only for clock interfaces, encapsulation PPP for serial interfaces only.

To configure RIP protocol for say router 1  
Click on Router 1 - enable - Config terminal  
router rip

network 10.0.0.0 } → gateway  
network 20.0.0.0 }