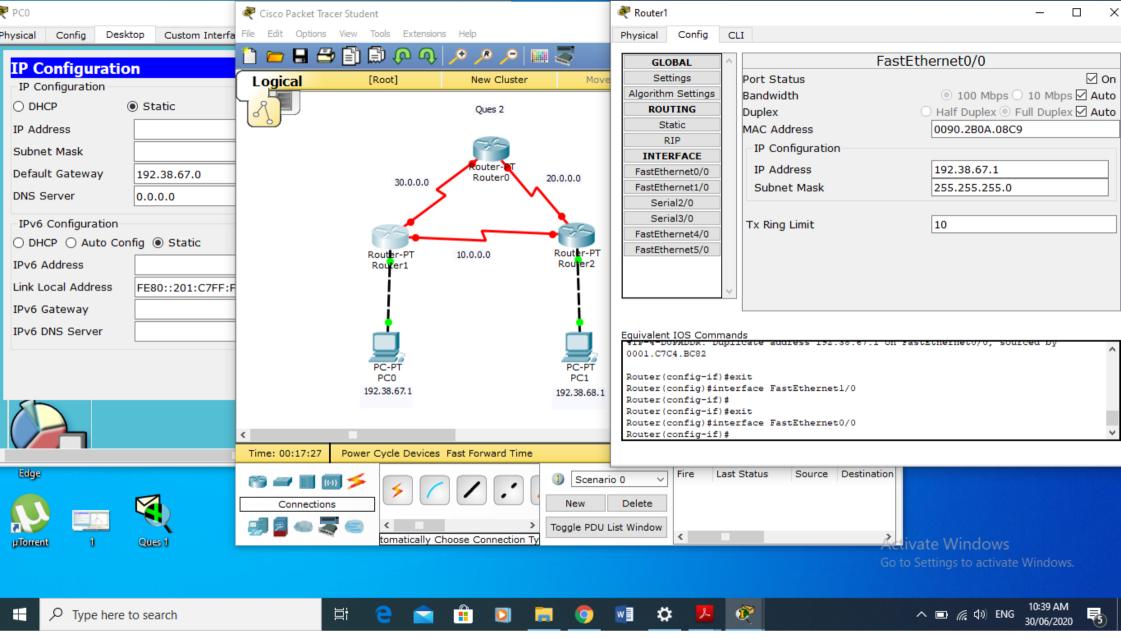
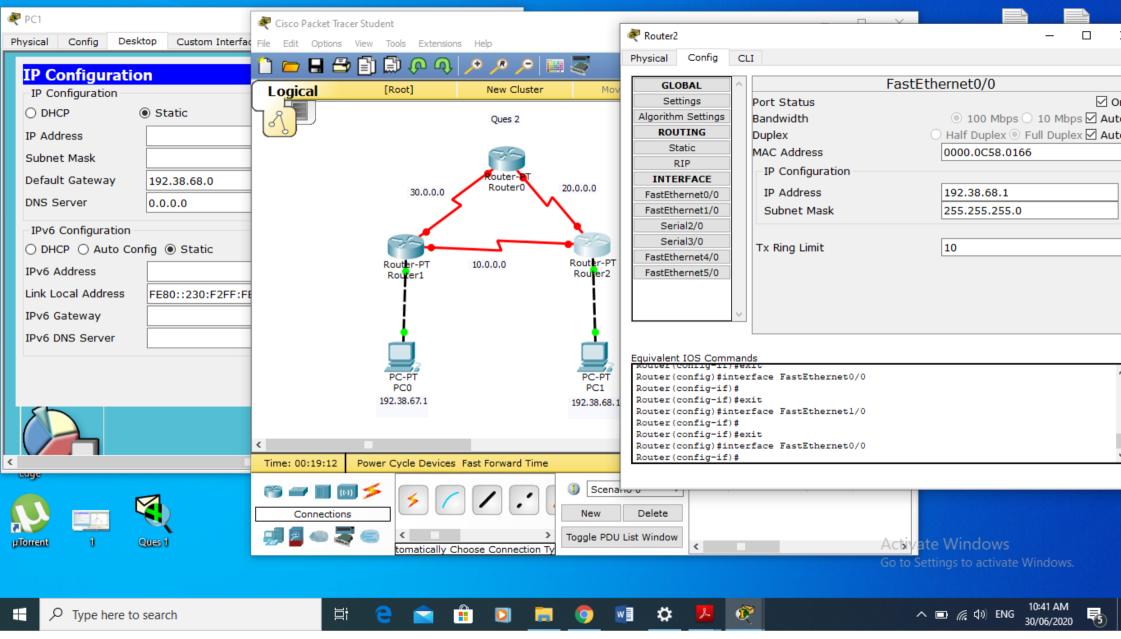


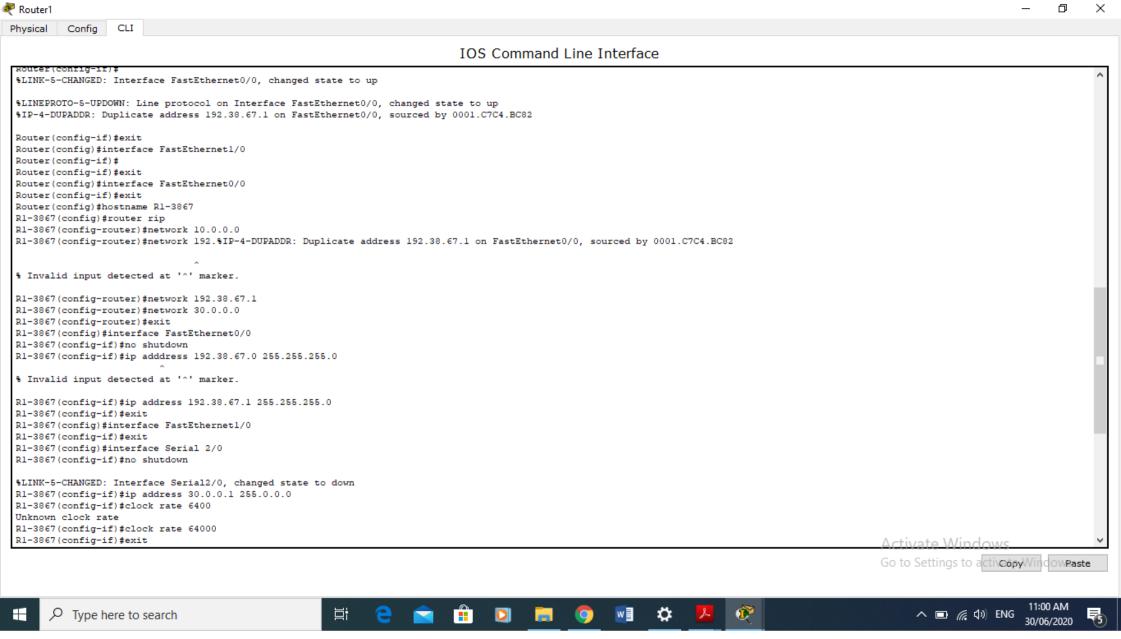
To ensure dynamic conting, I vised vip & 68pf. It also movided schooled network path which is extendable if dynamic.

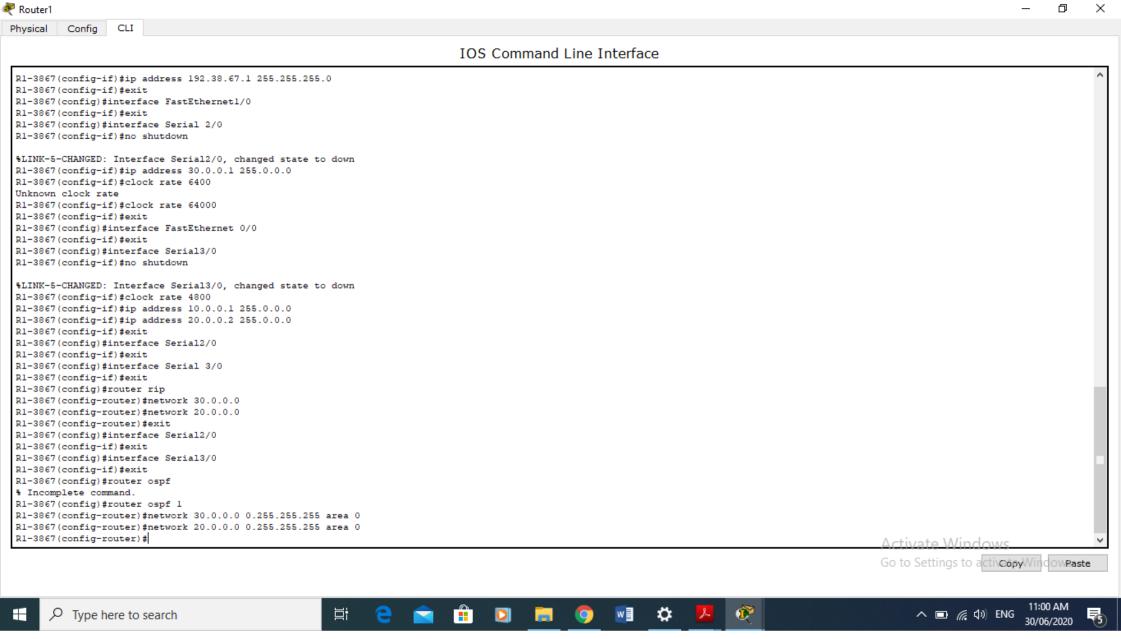
QUESTION 3

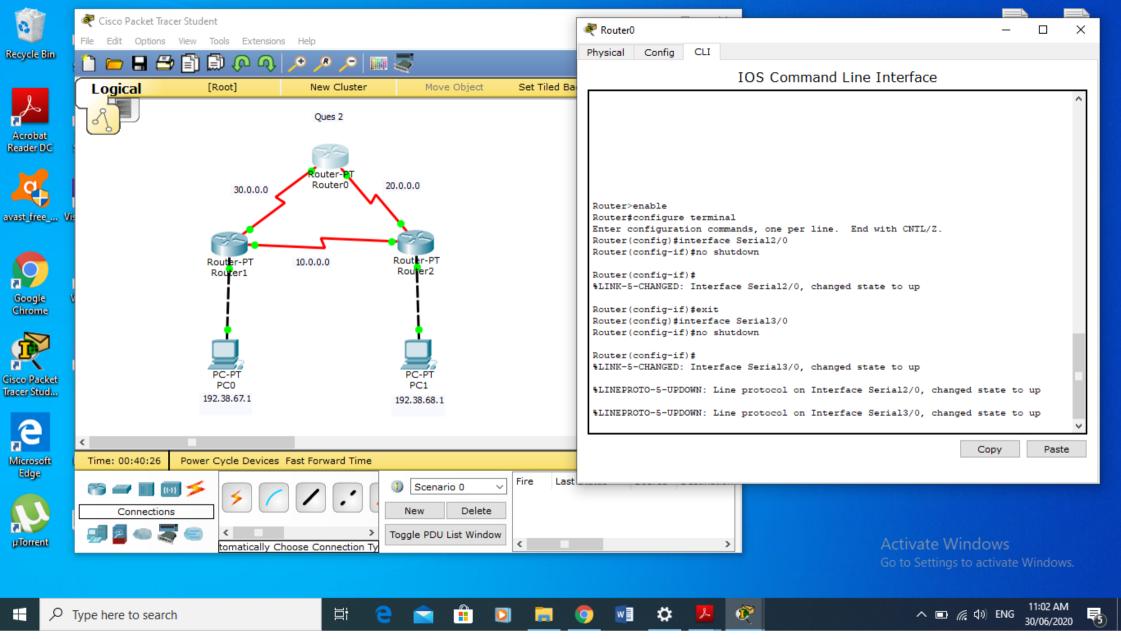
To provide enceyption, used sch. It also ensued security my moviding a login & password.

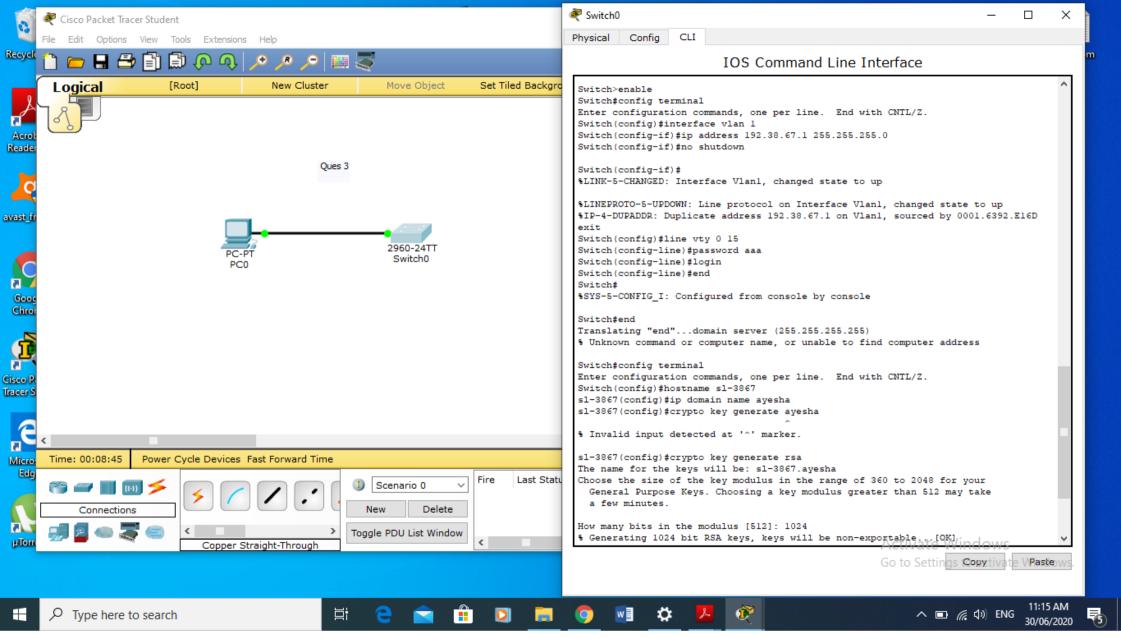


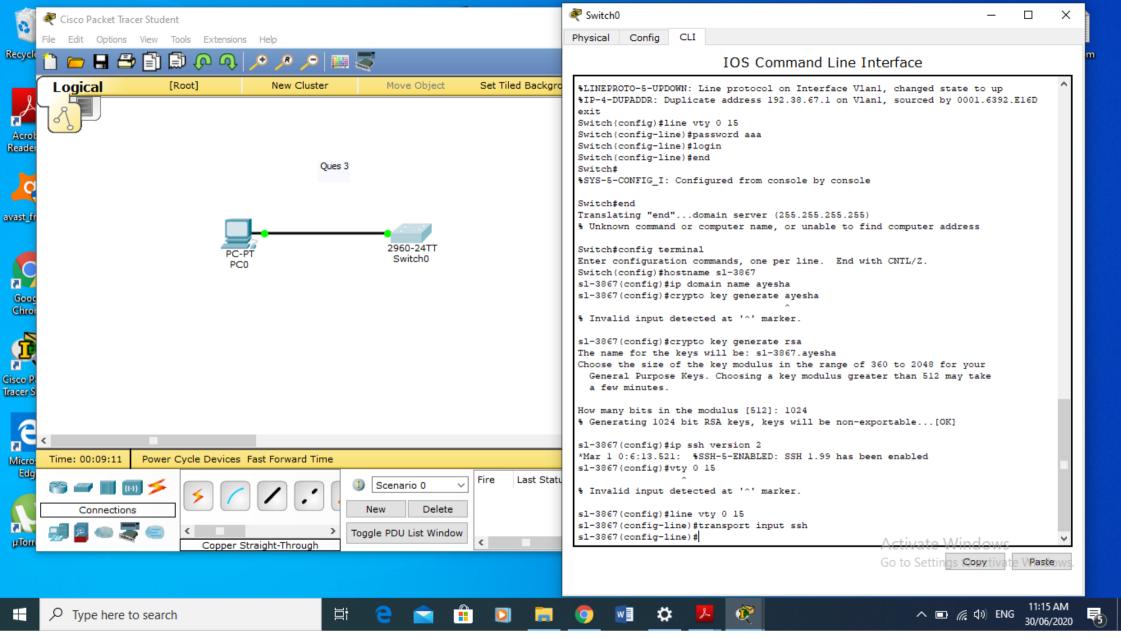












- (a) 175.38.67.0/16 has 65534 hosts.
- (b) 199.38.67.0/24 has ## 254 host.

Act stands for Access control list. It is used to pennitor demy access of a host from sending to another nost. It is used to block or filter incoming or outgoing traffic.

Few of the rules are:

-> Should have a pernit statement on our access list.

-> For PC4 , we should restrict connection.

- ① for 30 kulonets ____, 25 = 32

 adding 8 in last octet , 30 kulonets are cualifiered

 203.10.93.1 _ 203.10.93.254

 ... 203.10.93.30 is a valid ip as host.
- 2 A simple static equiler can be used. It provides simplicity

 & ensure proper working along Routing protocols are

 needed to send packets quickly to their destination

 without any loss by shortest path & also evenues that

 next hop is could.
- (3) egp with oxpf is best technique as it dynamic.

 It can easily be expanded as networks grow. It is better

 than default & static routing. It was the concept of
 dijektra's also & considers bandwidth while routing.
 - There if router & swetch are-turned on. It incressary, so rest. Eusure that correct interface is connected with correct configurations.
- (5) Sulme 1 = 25 Broadeas 1 14 - 172.16.10.12/25 Network address - 172.16.10.0/25 Valid nost range - 172.16.10.1 - 172.16.127.126

- (6) It occurs in the victory to network layer.
- O Application layer 9e trightest Oct layer because ftp 9c supremented on it.
- (8) The most suitable protocol is EGP (borde gativay protocol) as it webs communication independent blue networks & provides shortest routes.
- 1 The noute 90 configured incountry.