**Part-1**

**Step-1:  
a.**Edge\_Router>en  
Edge\_Router#conf t  
Edge\_Router(config)#ip route 0.0.0.0 0.0.0.0 s0/0/0  
**b.**Edge\_Router#show ip route  
**c.**Edge\_Router#traceroute 198.0.0.10

**Step-2:  
b.**Edge\_Router>en  
Edge\_Router#conf t  
Edge\_Router(config)#ip route 0.0.0.0 0.0.0.0 s0/0/1 5  
**c.**  
Edge\_Router#show run  
**d.**  
Edge\_Router#show ip route

**Part-2  
a.**Edge\_Router>en  
Edge\_Router#conf t  
Edge\_Router(config)#int s0/0/0  
Edge\_Router(config-if)#shut  
**b.**Edge\_Router(config-if)#exit  
Edge\_Router(config)#exit  
Edge\_Router#show ip route  
**c.**Edge\_Router#traceroute 198.0.0.10  
**d.**Edge\_Router#conf t  
Edge\_Router(config)#int s0/0/0  
Edge\_Router(config-if)#no shut  
**e.**Edge\_Router#traceroute 198.0.0.10

**Part-3**

**Step-1:  
Enabling ipv6 -**Edge\_Router>en  
Edge\_Router#conf t  
**a.**Edge\_Router(config)#ipv6 route ::/0 2001:DB8:A:2::1 5  
**b.**Edge\_Router(config)#exit  
Edge\_Router#show run

**Step-2:  
a.**Edge\_Router>en  
Edge\_Router#conf t  
Edge\_Router(config)#int s0/0/0  
Edge\_Router(config-if)#shut  
**b.**Edge\_Router(config-if)#exit  
Edge\_Router(config)#exit  
Edge\_Router#show ipv6 route  
**c.**Edge\_Router#traceroute 2001:db8:f:f::10  
**d.**Edge\_Router#conf t  
Edge\_Router(config)#int s0/0/0  
Edge\_Router(config-if)#no shut  
**e.**Edge\_Router#traceroute 2001:db8:f:f::10