**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