**Name : ramani harshil sureshbhai**

**Module :9 Infrastructure services**

**8- Host A and Host B sit in two different subnets. The path between the subnets of these two hosts runs through three different Layer 3 forwarding devices (routers and Layer 3 switches). A network engineer uses the APIC-EM Path Trace ACL Analysis tool to analyze the path used for Host A to send packets to Host B. Which part of the function is done specifically by the ACL Analysis or ACL Trace part of the tool?**

A. Discovery of the topology that exists between the two hosts

B. Analysis of the Layer 3 forwarding decisions in the path from Host A to B

C. Analysis of the Layer 2 forwarding decisions in the path from Host A to B

D. Analysis of the impact of ACLs on the packets that would flow from Host A to B

**ANS =>D. Analysis of the impact of ACLs on the packets that would flow from Host A to B**

**9- Which IPv6 address is the equivalent of the IPv4 interface loopback address 127.0.0.1?**

A. ::1

B. ::

C. 2000::/3

D. 0::/10

**ANS => A. ::1**

**10- Which command is used to apply an ACL to an interface?**

A. access-group

B. ip access-group

C. ip access-list

D. ip access-class

E. access-class

F. access-list **ANS => B. ip access-group**

**11- Which command and mode will successfully configure a hostname of R1 on a Cisco IOS router?**

A. Router(config)#name R1

B. Router# hostname R1

C. Router(config)#hostname R1

D. Router#name R1

**ANS => C. Router(config)#hostname R1**

**12- Which of the following reserved IPv4 addresses has binary 0s in all of the host bit positions?**

A. Local broadcast address

B. Loopback address

C. Directed broadcast address

D. Network address

E. All zeros address

**ANS = > D. Network address**