QUESTION 1
The following commands are issued on a Cisco Router:

Router(configuration)#access-list 199 permit tcp host 10.1.1.1 host 172.16.1.1
Router(configuration)#access-list 199 permit tcp host 172.16.1.1 host 10.1.1.1
Router(configuration)#exit
Router#debug ip packet 199

What will the debug output on the console show?

A. All IP packets passing through the router
B. Only IP packets with the source address of 10.1.1.1
C. All IP packets from 10.1.1.1 to 172.16.1.1
D. All IP Packets between 10.1.1.1 and 172.16.1.1

Answer: D

QUESTION 2
(Ticket 1: Switch Port Trunk)

Scenario: The implementation group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing schemes, DHCP services, layer 2 connectivity, FHRP services, and, device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.
Figure 1
Trouble Ticket Statement

Client 1 and Client 2 are getting a 169.x.x.x IP address and are not able to ping DSW1 or the FTP Server. They are able to ping each other.

Configuration on ASW1

Interface PortChannel13
switchport mode trunk
switchport trunk allowed vlan 1-9
!
Interface PortChannel23
switchport mode trunk
switchport trunk allowed vlan 1-9
!
Interface FastEthernet1/0/1
switchport mode access
What is the solution of the fault condition?

A. Change the VLAN assignment on fa1/0/1 and fa1/0/2 on ASW1 to VLAN 1  
B. Change the IP Address of VLAN 10 on DSW1  
C. Issue switchport trunk allowed vlan 10,200 on interface portchannel13 and portchannel23 on ASW1  
D. Issue switchport trunk allowed vlan none on interface portchannel13 and portchannel23 on ASW1

**Answer:** C

**QUESTION 3**  
(Ticket 8: Redistribution of EIGRP to OSPF)

Scenario: The implementation group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing schemes, DHCP services, layer 2 connectivity, FHRP services, and, device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.
IPv4 Layer 3 Topology

Figure 1
Trouble Ticket Statement

Client 1 is not able to reach the WebServer. Initial troubleshooting shows that DSW1 can ping the Fa0/1 interface of R4 but not the s0/0/0/0.34 interface.

Configuration on DSW1

```
router eigrp 10
network 10.1.4.4 0.0.0.0
network 10.2.1.1 0.0.0.0
network 10.2.4.13 0.0.0.0
no auto-summary
```

Configuration on DSW2

```
router eigrp 10
```
network 10.1.4.8 0.0.0.0
network 10.2.2.1 0.0.0.0
network 10.2.4.14 0.0.0.0
no auto-summary

Configuration on R4

router eigrp 10
network 10.1.4.5 0.0.0.0
no auto-summary
redistribute ospf 1 metric 100 10 255 1 1500 route-map EIGRP_to_OSPF
! router ospf 1
network 10.1.1.8 0.0.0.0 area 34
redistribute eigrp 10 subnets
!
route-map EIGRP->OSPF
match ip address 1
!
access-list 1 permit 10.0.0.0 0.255.255.255
access-list 1 permit 209.0.0.0 0.255.255.255

What is the solution of the fault condition?

A. DSW1
B. DSW2
C. Client 1
D. Client 2
E. R4

Answer: E

QUESTION 4
(Ticket 9: EIGRP AS number)

Scenario: The implementation group has been using the test bed to do a
'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing schemes, DHCP services, layer 2 connectivity, FHRP services, and, device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.
Trouble Ticket Statement

Client 1 is not able to reach the WebServer. Initial troubleshooting shows that DSW1 can ping the Fa0/1 interface of R4 but not the s0/0/0/0.34 interface.

Configuration on DSW1

```
router eigrp 10
network 10.1.4.4 0.0.0.0
network 10.2.1.1 0.0.0.0
network 10.2.4.13 0.0.0.0
no auto-summary
```

Configuration on DSW2

```
router eigrp 10
network 10.1.4.8 0.0.0.0
```
network 10.2.2.1 0.0.0.0
global 10.2.4.14 0.0.0.0
no auto-summary

Configuration on R4

router eigrp 1
network 10.1.4.5 0.0.0.0
no auto-summary
redistribute ospf 1

On which device is the fault condition located?

A. DSW1  
B. DSW2  
C. Client 1  
D. R4  
E. R2  
F. R1  
G. R3

**Answer:** D

**QUESTION 5**  
(Ticket 12: HSRP Issue)

Scenario: The implementation group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing schemes, DHCP services, layer 2 connectivity, FHRP services, and, device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.
Figure 2

Trouble Ticket Statement

HSRP has been configurationured between DSW1 and DSW2. DSW1 is configurationured to be active router but it never becomes active even though the HSRP communication between DSW1 and DSW2 is working.

Configuration on DSW1

track 1 ip route 10.1.21.128 255.255.0.0 metric threshold threshold metric up 1 down 2
! track 10 ip route 10.2.21.128 255.255.255.0 metric threshold threshold metric up 63 down 64
! interface Vlan10
ip address 10.2.1.1 255.255.255.0
standby 10 ip 10.2.1.254
standby 10 priority 200
standby 10 preempt
standby 10 track 1 decrement 60

Configuration on R4

interface loopback0
ip address 10.21.128 255.255.255.0

What is the solution of fault condition?

A. Change standby priority to 140
B. Change standby priority to 260
C. Change standby 10 track 1 decrement 60 to standby 10 track 10 decrement 60
D. Change standby 10 track 1 decrement 60 to standby 10 track 1 decrement 100
E. Change standby 10 track 1 decrement 60 to standby 10 track 10 decrement 100
F. Change standby 10 track 1 decrement 60 to standby 10 track 1 decrement 60

**Answer:** C

**QUESTION 6**
(Ticket 14: EIGRP Passive Interface)

Scenario: The implementation group has been using the test bed to do a
‘proof-of-concept’ that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing schemes, DHCP services, layer 2 connectivity, FHRP services, and, device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.
Figure 1
Trouble Ticket Statement

Client 1 is not able to reach the WebServer. Initial troubleshooting shows that DSW1 can ping the Fa0/1 interface of R4 but not the s0/0/0.34 interface.

Configuration on DSW1

router eigrp 10
network 10.1.4.4 0.0.0.0
network 10.2.1.1 0.0.0.0
network 10.2.4.13 0.0.0.0
no auto-summary

Configuration on DSW2

router eigrp 10
network 10.1.4.8 0.0.0.0
network 10.2.2.1 0.0.0.0
network 10.2.4.14 0.0.0.0
no auto-summary

Configuration on R4

router eigrp 10
passive-interface default
redistribute ospf 1 route-map OSPF->EIGRP
network 10.1.4.4 0.0.0.3
network 10.1.4.8 0.0.0.3
default-metric 10000 100 255 1 10000
no auto-summary

On which device is the fault condition located?

A. DSW1
B. DSW2
C. Client 1
D. R1
E. R2
F. R3
G. R4

Answer: G