

**JN0-304**

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**Juniper Networks Certified Internet Specialist  
(JNCIS-M)**

**Version 3.0**

**JN0-304****QUESTION NO: 1**

Routers A and B have an OC12c and a GE link between them and are running OSPF over both of these links. Which statement is correct, assuming the default JUNOS software OSPF metric calculation?

- A. There are two equal cost paths between A and B.
- B. The GE link is the preferred path between A and B.
- C. The OC12c link is the preferred path between A and B.
- D. Manual metric assignment must be configured to determine the outcome.

**Answer:** A

**QUESTION NO: 2**

What is the default function of a secondary path in MPLS?

- A. to act as an equal-cost path to the primary path
- B. to enable another LSP for load balancing
- C. to act as a diverse backup path to the primary path
- D. to allow the use of explicit path selection via EROs

**Answer:** C

**QUESTION NO: 3**

How long is an IPv6 address?

- A. 32 bits
- B. 64 bits
- C. 128 bits
- D. 256 bits

**Answer:** C

**QUESTION NO: 4**

Which three are well-known mandatory BGP attributes? (Choose three.)

- A. Origin
- B. AS path
- C. Next hop
- D. Community

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E. Multiple exit discriminator

**Answer:** A, B, C

**QUESTION NO: 5**

In which two ways can you influence how downstream LSRs treat MPLS traffic? (Choose two.)

- A. Use an EXP rewrite table.
- B. Use a DSCP rewrite table.
- C. Statically assign a CoS value to an LDP-signaled LSP.
- D. Statically assign a CoS value to an RSVP-signaled LSP.

**Answer:** A, D

**QUESTION NO: 6**

Which three authentication options does IS-IS support? (Choose three.)

- A. MD5
- B. DES
- C. Kerberos
- D. unauthenticated
- E. simple password

**Answer:** A, D, E

**QUESTION NO: 7**

Two Label-Switched Paths called LSP A and LSP B have been configured on a router. LSP A has been configured with a hold-priority of 3. There is insufficient reservable bandwidth along the path to accommodate both LSPs reservation requirements. Which setup priority must LSP B have to pre-empt LSP A and use its bandwidth?

- A. 2
- B. 3
- C. 4
- D. 7

**Answer:** A

**QUESTION NO: 8**

Which configuration defines a BGP route reflector?

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```
A. group cluster-1 {  
  type external;  
  local-address 192.168.56.1;  
  cluster-list 1.1.1.1;  
  neighbor 192.168.48.1;  
  neighbor 192.168.52.1;  
}  
B. group cluster-1 {  
  type internal;  
  local-address 192.168.56.1;  
  cluster 1.1.1.1;  
  client 192.168.48.1;  
  client 192.168.52.1;  
}  
C. group cluster-1 {  
  type cluster;  
  local-address 192.168.56.1;  
  cluster-list 1.1.1.1;  
  neighbor 192.168.48.1;  
  neighbor 192.168.52.1;  
}  
D. group cluster-1 {  
  type external;  
  local-address 192.168.56.1;  
  cluster 1.1.1.1;  
  neighbor 192.168.48.1;  
  neighbor 192.168.52.1;  
}
```

**Answer: B**

**QUESTION NO: 9**

Given the following policy, what happens when the 1.1/17 route is evaluated?

```
[edit policy-options] policy-statement test {  
  from {  
    route-filter 0/0 orlonger accept;  
    route-filter 1.1/17 upto /24 reject;  
    route-filter 1.1/18 exact;  
  }  
  then {  
    metric 6; accept;  
  }  
}
```

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}

- A. The route does not match this policy.
- B. The route is accepted.
- C. The route is rejected.
- D. The route is accepted with a metric of 6.

**Answer: A****QUESTION NO: 10**

Given the following policy:

```
[edit policy-options] policy-statement my-filter {
term first {
  from {
    route-filter 192.168.0.0/16 orlonger accept;
    route-filter 192.168.1.0/24 exact accept;
    route-filter 192.168.2.0/24 exact;
  } then {
    metric 10; accept;
  }
term second {
  then {
    metric 20; accept; }
}
policy-statement main {
  term change-attributes {
    from { policy my-filter; }
  }
  then accept;
}
term default {
  then reject; }
}
[edit protocols] bgp { export main; }
```

Which action occurs when the static route 192.168.0.0/25 is evaluated by the policy main-policy?

- A. The route is not advertised into BGP.A.The route is not advertised into BGP.
- B. The route is advertised into BGP with metric 10.B.The route is advertised into BGP with metric 10.
- C. The route is advertised into BGP with metric 20.C.The route is advertised into BGP with metric 20.
- D. The route is advertised into BGP with default metric.D.The route is advertised into BGP with default metric.

**Answer: D****QUESTION NO: 11**

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OSPFv3 is used to route which type of packets?

- A. IPv4
- B. IPv6
- C. MPLS
- D. IS-IS

**Answer:** B

**QUESTION NO: 12**

Which three are used to create a separate multicast and unicast forwarding topology on a Juniper Networks router? (Choose three.)

- A. MBGP
- B. RIB groups
- C. firewall filters
- D. routing policy
- E. filter based forwarding (FBF)

**Answer:** A, B, D

**QUESTION NO: 13**

What is the correct configuration of Anycast RP on the loopback interface, assuming a shared anycast address of 10.1.1.1?

- A. [edit]  
interfaces {  
...  
lo0 {  
unit 0 {  
family inet {  
address 10.1.1.1/32  
primary;  
address 169.144.10.1/32;  
B. [edit]  
interfaces {  
...  
lo0 {  
unit 0 {  
family inet {  
address 10.1.1.1/32

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```
preferred;  
address 169.144.10.1/32;  
C. [edit]  
interfaces {  
...  
lo0 {  
unit 0 {  
family inet {  
address 169.144.10.1/32  
primary;  
address 10.1.1.1/32;  
D. [edit]D. [edit]  
interfaces {  
...  
lo0 {  
unit 0 {  
family inet {  
address 169.144.10.1/32  
preferred;  
address 10.1.1.1/32;
```

**Answer:** C

**QUESTION NO: 14**

Which two statements about IS reachability TLV (TLV 2) and the extended IS reachability (TLV 22) are true? (Choose two.)

- A. TLV 22 supports wide metrics.
- B. TLV 2 is only used in Level 1 routers.
- C. TLV 22 displays the neighbor's extended areas.
- D. Only TLV 22 can support the inclusion of sub-TLVs.

**Answer:** A, D

**QUESTION NO: 15**

When using OSPF as your IGP, which operational command must be enabled to populate the TED for CSPF calculations?

- A. cspf enable
- B. disable no-cspf
- C. traffic-engineering
- D. enable traffic-engineering-database

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**Answer:** C

**QUESTION NO: 16**

What is the use of MSDP across multiple PIM domains?

- A. It scopes multicast traffic.
- B. It prevents multicast routing loops.
- C. It advertises active multicast sources.
- D. It advertises RPs to all downstream routers.

**Answer:** C

**QUESTION NO: 17**

In JUNOS software, which two are methods of restricting multicast traffic beyond your domain? (Choose two.)

- A. MSDP
- B. Routing policy
- C. Administrative scoping
- D. Bootstrap export policy

**Answer:** B, C

**QUESTION NO: 18**

When comparing CPE and provider-provisioned VPNs (PPVPN), which two statements are true? (Choose two.)

- A. CPE VPNs require dedicated VPN aware hardware at customer site, PPVPN does not.
- B. PPVPNs require dedicated VPN aware hardware at customer site, CPE VPNs does not.
- C. CPE VPNs scale better than PPVPNs as they do not require a per site configuration on the CPE.
- D. PPVPNs scale better than CPE VPNs as they do not require a per site configuration on the CPE.

**Answer:** A, D

**QUESTION NO: 19**

According to JUNOS software route selection algorithm, which IS-IS route type is most preferred?



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- A. Level 1 internal routes
- B. Level 1 external routes
- C. Level 2 internal routes
- D. Level 2 external routes

**Answer:** A

**QUESTION NO: 20**

Which setting in JUNOS software forces a bgp speaker to wait for a bgp neighbor to initiate a bgp session?

- A. wait
- B. hold
- C. passive
- D. authenticate

**Answer:** C

**QUESTION NO: 21**

Which three TLV types are valid in an IS-IS Hello PDU? (Choose three.)

- A. TLV 10 Authentication
- B. TLV 1 Area Addresses
- C. TLV 211 Graceful Restart
- D. TLV 137 Dynamic Hostname Resolution
- E. TLV 14 ABRs

**Answer:** A, B, C

**QUESTION NO: 22**

Which three commands allow you to verify the current state of your BGP neighbors? (Choose three.)

- A. show bgp group
- B. show bgp status
- C. show bgp summary
- D. show bgp neighbor
- E. show protocols bgp

**Answer:** A, C, D

**JN0-304****QUESTION NO: 23**

Which two methods are used to assign a route-distinguisher in a Kompella Layer 2 VPN? (Choose two.)

- A. by assigning the RD under the routing-instances
- B. by assigning the RD under protocols bgp
- C. by assigning the RD under routing-options
- D. by assing the RD under policy-options

**Answer:** A, C

**QUESTION NO: 24**

How is a Rendezvous Point tie broken in Auto-RP?

- A. lowest IP address
- B. highest IP address
- C. lowest MAC address
- D. highest MAC address

**Answer:** B

**QUESTION NO: 25**

In JUNOS software, which statement is true regarding the OSPF advertisement of the loopback IP address on the ABR?

- A. When Area 0 is active, the loopback interface must be configured in OSPF for it to be advertised.
- B. When Area 0 is active, the loopback address is automatically advertised into other areas.
- C. When Area 0 is active, the OSPF router-id must match the loopback address for the loopback address to be advertised.
- D. When Area 0 is active, the router-id must be configured for the loopback address to be advertised.

**Answer:** A

**QUESTION NO: 26**

Which action occurs when the BGP route 20.1.0.0/16 is evaluated by the policy expression?

```
[edit policy-options] policy-statement reject_10 {  
    from {
```