

## H12-211 HCNA-HNTD Mock Exam

Answered by :ebg\_29871463 Total exam score:100.0 Exam score:77.0

### 1.True or False

A Trunk port always sends tagged frames to the peer equipment.

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

### 2.True or False

When a trunk port receive an untagged frame , the switch will drop the frame.

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

### 3.True or False

A MAC address has 32 bits, the first 16 bits represent the manufactor.

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

### 4.True or False

A hub forwards any signal received from any port to all other ports .

☐√ ☐×

Answers of examinees: √ **Correct answer**

Correct answer:

√

QuestionScore:(1.0) Current Score: 1.0

## 5.True or False

If you want to reset the routers configuration. The administrator need to delete the configuration files saved in the storage devices and then rebooting the router.

☐√ ☐×

Answers of examinees: √ **Correct answer**

Correct answer:  
√

QuestionScore:(1.0) Current Score: 1.0

## 6.True or False

Routing Information Protocol (RIP) is available in the RIPv1, RIPv2, and RIPv3 versions.

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:  
×

QuestionScore:(1.0) Current Score: 1.0

## 7.True or False

In broadcast network of OSPF protocol, any two DR Others will neither exchange LSA nor send Hello packet to each other due to the existence of DR.

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:  
×

QuestionScore:(1.0) Current Score: 1.0

## 8.True or False

RTA connects with RTB through interface Serial0. The configuration on RTA is as follow:

```
[RTA]aaa
[RTA-aaa]local-user huawei password cipher hello
[RTA-aaa]local-user huawei service-type ppp
[RTA]interface Serial 0
[RTA-Serial0]link-protocol ppp
[RTA-Serial0]ppp authentication-mode chap
[RTA-Serial0]ip address 10.1.1.1 30
```

The configuration on RTB is as follow:

```
[RTB]interface Serial 0
[RTB-Serial0]link-protocol ppp
[RTB-Serial0]ppp chap user huawei
[RTB-Serial0]ppp chap password cipher hello
[RTB-Serial0]ip address 10.1.1.2 30
```

With the configuration above, RTA and RTB are able to communicate with each other.

☐ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 9.True or False

In 802.1Q, a four byte field is inserted into the ethernet frame, but only 12 bits is used for VLAN ID?

☐ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 10.True or False

On a port running frame relay, we can apply several logical sub-interface, and in each logical sub-interface, one or more MAP items can exist.

☐ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 11.True or False

The ICMP protocol (RFC792) is not applied to Application Layer but Network Layer.

☐ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 12.True or False

A static route can be either configured manually by a network administrator or generated automatically.

☐ ✓ ☐ ×

Answers of examinees: × **Correct answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

### 13.True or False

One router forwards the packets according the routing table on itself without considering the routing table of any neighbor routers.

☐√ ☐×

Answers of examinees: √ **Correct answer**

Correct answer:

√

QuestionScore:(1.0) Current Score: 1.0

### 14.True or False

The fram-relay map information is show as below. The IP address 10.1.1.2 is configured on the local device.

[RTA]dis fr map-info

Map Statistics for interface Serial0 (DTE)

DLCI = 100, IP INARP 10.1.1.2, Serial0

create time = 2007/06/04 17:34:59, status = ACTIVE

encapsulation = ietf, vlink = 20, broadcast

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

### 15.True or False

When network condition changed, a static route can be rectified automatically without reconfiguration by the network administrator .

☐√ ☐×

Answers of examinees: × **Correct answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

### 16.True or False

One of the significant features of the PPP protocol is the authentication function.A PPP connection is established only when the authentication is successful.

☐√ ☐×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 17.True or False

If the optimal path to the destination IP address is unavailable after a change occurs in a network topology, the dynamic routing protocol can make adaptation to this change and determine another optimal path to the destination IP address.

☒ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 18.True or False

In OSPF protocol, most of the packets are sent by using reserved multicast address and unicast. This can reduce the impact on non-OSPF speaking devices.

☒ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

✓

QuestionScore:(1.0) Current Score: 1.0

## 19.True or False

Root bridges only provide root ports .

☐ ✓ ☒ ×

Answers of examinees: × Correct answer

Correct answer:

×

QuestionScore:(1.0) Current Score: 1.0

## 20.True or False

When you configure Frame Relay on Quidway routers, you can configure Inverse ARP instead of static address mapping because the function of Inverse ARP is to provide dynamic address mapping.

☒ ✓ ☐ ×

Answers of examinees: ✓

Correct answer

Correct answer:

√

QuestionScore:(1.0) Current Score: 1.0

## 21.Single

Which of the following protocol is required in negotiation to compress the TCP/IP packet header for a PPP link?

- ☐ a.LCP
- ☐ b.PAP
- ☐ c.IPCP
- ☐ d.CHAP

Answers of examinees: a **Wrong answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 0.0

## 22.Single

How many hosts are available in the network 154.27.0.0 without sub-netting?

- ☐ a.254
- ☐ b.1024
- ☐ c.65,534
- ☐ d.16,777,206

Answers of examinees: a **Wrong answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 0.0

## 23.Single

On VRP platform, what is the function for command "interface vlan-interface vlan-id"?

- ☐ a.Create a VLAN
- ☐ b.Create or enter VLAN interface
- ☐ c.Configure VLAN for an interface
- ☐ d.No such command

Answers of examinees: d **Wrong answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 0.0

## 24.Single

The data forwarding of the switch is based on ( ).

- ☐ a.Source MAC address
- ☐ b.Destination MAC address
- ☐ c.Source IP address
- ☐ d.Destination IP address

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

## 25.Single

Which network topology has risk of whole network failure when a link is broken?

- ☐ a.Mesh
- ☐ b.Bus
- ☐ c.Star
- ☐ d.Tree

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

## 26.Single

Which class does IP address 190.233.27.13 belong to?

- ☐ a.A
- ☐ b.B
- ☐ c.C

☐ d.D

Answers of examinees: a **Wrong answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 0.0

## 27.Single

Which of the following descriptions about learning state in STP is incorrect?

- ☐ a.The port in learning state can receive and send BPDU
- ☐ b.The port in learning state can learn the source MAC address of data packet
- ☐ c.The port in learning state can only learn the source MAC address but cannot transmit the data packet.
- ☐ d.The port in learning state can forward part of the data packet

Answers of examinees: d **Correct answer**

Correct answer:

d

QuestionScore:(2.0) Current Score: 2.0

## 28.Single

The subnet mask of the network segment 175.25.8.0/19 is ( )

- ☐ a.255.255.0.0
- ☐ b.255.255.224.0
- ☐ c.255.255.24.0
- ☐ d.The subnet mask varies according to the class of IP address

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

## 29.Single

Which of the following is the broadcast MAC address?

- ☐ a.FF-FF-FF-FF
- ☐ b.FF-FF-FF-FF-FF-FF



- ☐ c.00-00-00-00-00-00
- ☐ d.00-00-00-FF-FF-FF

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

### 30.Single

In Ethernet standard, which of the following mechanisms is used to avoid collision when different nodes transmit packets simultaneously?

- ☐ a.CSMA/CA
- ☐ b.CSMA/DA
- ☐ c.CSMA/CD
- ☐ d.CSMA/AC

Answers of examinees: a **Wrong answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 0.0

### 31.Single

IGP is the protocol which is used in ( )

- ☐ a.An area
- ☐ b.A LAN
- ☐ c.An Autonomous System
- ☐ d.Within the range of classful address

Answers of examinees: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

### 32.Single

How is routing information about a default route expressed?

- ☐ a. The destination IP address is expressed in all 0s and the mask is expressed in all 1s.
- ☐ b. The destination IP address is expressed in all 1s and the mask is expressed in all 0s.
- ☐ c. Both the destination IP address and mask are expressed in all 0s.
- ☐ d. Both the destination IP address and mask are expressed in all 1s.

Answers of examinees: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

### 33.Single

A series of packets are used in a Ping test to determine whether delay and packet loss occur in communication. Which of the following represents the packet used in a Ping test?

- ☐ a. FTP
- ☐ b. Tracert
- ☐ c. ICMP
- ☐ d. Telnet

Answers of examinees: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

### 34.Single

A router with OSPF enabled calculates the shortest route to the destination by using ( ) algorithm.

- ☐ a. OSPF
- ☐ b. SPF
- ☐ c. SRC
- ☐ d. OPF

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

### 35.Single

In OSI reference model, VLAN tag resides at ( ) layer.

- ☐ a.Physical
- ☐ b.Data link
- ☐ c.Network
- ☐ d.Application

Answers of examinees: a **Wrong answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 0.0

### 36.Single

Which communication mode does a hub work in?

- ☐ a.Simplex
- ☐ b.Half-duplex
- ☐ c.Full-duplex mode
- ☐ d.Auto-negotiation

Answers of examinees: c **Wrong answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 0.0

### 37.Single

OSPF runs over the IP protocol and the IP protocol No. used by OSPF is ( ).

- ☐ a.89
- ☐ b.80
- ☐ c.512
- ☐ d.2328

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

### 38.Single

The subnet mask of a class A address is 255.255.240.0. How many bits are used for sub-netting?

- ☐ a.4
- ☐ b.5
- ☐ c.9
- ☐ d.12

Answers of examinees: d **Correct answer**

Correct answer:

d

QuestionScore:(2.0) Current Score: 2.0

### 39.Single

How many root bridges does the STP protocol select from all the network bridges when calculating a spanning tree?

- ☐ a.1
- ☐ b.2
- ☐ c.3
- ☐ d.4

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

### 40.Single

Which of the following applications can be used to detect the path along which the data packets are transmitted from the source to the destination?

- ☐ a.Route
- ☐ b.Nestat
- ☐ c.Tracert
- ☐ d.Send

Answers of examinees: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

## 41.Single

Each router only knows how to forward the packet to the next hop IP address. It doesn't know the end to end forwarding path. This type of forwarding is called ( )

- ☐ a.Hop by hop forwarding
- ☐ b.Host by host forwarding
- ☐ c.Router by router forwarding
- ☐ d.Network by network forwarding

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

## 42.Single

In STP calculation, a port identifier consists of two parts: one-byte ( ) and one-byte port number.

- ☐ a.Port priority
- ☐ b.Link priority
- ☐ c.Bridge MAC address
- ☐ d.Port MAC address

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

## 43.Single

Characterized by simple configuration and poor scalability, which of the following protocols is based on the Bellman-Ford algorithm and sends a complete routing table to an adjacent router at a certain interval?

- ☐ a.Distance vector routing protocol
- ☐ b.Link-state routing protocol

- ☐ c.Interior gateway protocol
- ☐ d.Exterior gateway protocol

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

## 44.Single

The Ethernet standard that is widely used by LAN is defined by ( ).

- ☐ a.IEEE 802.5
- ☐ b.IEEE 802.2
- ☐ c.IEEE 802.3
- ☐ d.IEEE 802.1

Answers of examinees: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

## 45.Single

In the OSI reference model, one layer converts bits into bytes and then into frames in addition to providing medium access. Which of the following layers stands for this layer?

- ☐ a.Data Link Layer
- ☐ b.Session Layer
- ☐ c.Network Layer
- ☐ d.Application Layer

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

## 46.Multiple Choice

Which of the following descriptions about VRRP priority are correct?

- ☐ a.The owner of Virtual IP address always uses 255 as running priority despite of its configured priority
- ☐ b.The owner of Virtual IP address always uses 0 as running priority despite of its configured priority
- ☐ c.A router with VRRP priority 0 will not take part in master election and can permanently act as slave.
- ☐ d.When the master of VRRP stop running VRRP, the router will send a VRRP notification packet whose priority field is 0

Answers of examinees: b **Wrong answer**

Correct answer:  
ad

QuestionScore:(3.0) Current Score: 0.0

## 47.Multiple Choice

The evolution of firewall technology goes through the following three stages, and these stages include ( )

- ☐ a.Packet filtering firewall
- ☐ b.Proxy firewall
- ☐ c.Stateful firewall
- ☐ d.Link-layer firewall

Answers of examinees: a **Wrong answer**

Correct answer:  
abc

QuestionScore:(3.0) Current Score: 0.0

## 48.Multiple Choice

Which of the following applications are based on the TCP protocol?

- ☐ a.PING
- ☐ b.FTP
- ☐ c.TELNET
- ☐ d.OSPF

Answers of examinees: bc **Correct answer**

Correct answer:  
bc

QuestionScore:(3.0) Current Score: 3.0

## 49.Multiple Choice

Which of the following protocols reside at transport layer?

- ☐ a.IP
- ☐ b.TCP
- ☐ c.UDP
- ☐ d.SNMP

Answers of examinees: bc **Correct answer**

Correct answer:  
bc

QuestionScore:(3.0) Current Score: 3.0

## 50.Multiple Choice

Which of the following parameters must be specified when configure static mapping for Frame Relay network?

- ☐ a.Local DLCI
- ☐ b.Remote DLCI
- ☐ c.Local network layer protocol address
- ☐ d.Remote network layer protocol address

Answers of examinees: ad **Correct answer**

Correct answer:  
ad

QuestionScore:(3.0) Current Score: 3.0

## 51.Multiple Choice

Which of the following functions does LCP provide?

- ☐ a.Negotiates to establish links.
- ☐ b.Negotiates to use which Layer 3 protocols.
- ☐ c.Disconnects a link when the idle timer of the link expires.
- ☐ d.Tests a link to check the link quality and thus to determine whether a link can be established.

Answers of examinees: abc **Wrong answer**

Correct answer:  
acd

QuestionScore:(3.0) Current Score: 0.0



## 52. Multiple Choice

Which of the following statements are incorrect?

- ☐ a. The preferences for each static routes entry can be different.
- ☐ b. By default, OSPF is more preferred to RIP.
- ☐ c. The greater the cost, the better the route is.
- ☐ d. For those routes to the same destination on VRP platform, the one with higher preference value is more preferred over the one with lower preference value.

Answers of examinees: cd **Correct answer**

Correct answer:

cd

QuestionScore:(3.0) Current Score: 3.0

## 53. Multiple Choice

Which of the following statements regarding the backbone area in OSPF protocol are correct?

- ☐ a. The area ID of the backbone area is 0.0.0.1.
- ☐ b. Each area must be connected to the backbone area.
- ☐ c. Backbone area is responsible for advertising the aggregated routing information generated by ABR between non-backbone areas.
- ☐ d. ABR connects to different areas and at least one of the connected area is backbone area.

Answers of examinees: bcd **Correct answer**

Correct answer:

bcd

QuestionScore:(3.0) Current Score: 3.0

## 54. Multiple Choice

Which of the following statements regarding OSPF are correct?

- ☐ a. Support CIDR (Classless Inter-Domain Routing)
- ☐ b. Use the distance vector algorithm
- ☐ c. Use the triggered updates to immediately notify the neighbors about the topology changes so that the changes are synchronized in the AS.
- ☐ d. Use the reserved multicast addresses to transmit protocol packets.

Answers of examinees: acd **Correct answer**

Correct answer:

acd

QuestionScore:(3.0) Current Score: 3.0

## 55. Multiple Choice

Which of the following statements regarding the route preference are correct?

- ☐ a. It is used by RIP and OSPF only
- ☐ b. It is used by all routing protocols
- ☐ c. It is an important factor for route selection
- ☐ d. The default preference value of direct route is 0

Answers of examinees: bcd **Correct answer**

Correct answer:

bcd

QuestionScore:(3.0) Current Score: 3.0

close