

### 1.True or False

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



Answers of examinees : ✓

Wrong answer

Correct answer :

✗

QuestionScore:(1.0) Current Score: 0.0

### 2.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

### 3.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

### 4.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

### 5.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 : ✓

Wrong answer

Correct answer :

×

QuestionScore:(1.0) Current Score: 0.0

### 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

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



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 : × **Wrong answer**

Correct answer :

√

QuestionScore:(1.0) Current Score: 0.0

### 11.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

### 12.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

### 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

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

### 15.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

### 16.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 : ✓ **Wrong answer**

Correct answer :

✗

QuestionScore:(1.0) Current Score: 0.0

### 17.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

### 18.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

### 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

What do we call the routes in the routing table that have the same cost to the same destination?

- ☐ a.Equivalent routes
- ☐ b.Sub-optimal routes
- ☐ c.Multipath routes
- ☐ d.Default routes

Answers of examinees : a **Correct answer**

Correct answer :  
a

QuestionScore:(2.0) Current Score: 2.0

### 22.Single

Each router calculates the shortest path tree based on the LSDB with itself as a ( ) node.

- ☐ a.Root
- ☐ b.leaf
- ☐ c.Specified point
- ☐ d.Backup

Answers of examinees : a **Correct answer**

Correct answer :  
a

QuestionScore:(2.0) Current Score: 2.0

### 23.Single

A VLAN can be considered as a ( ).

- ☐ a.Collision domain

- ☐ b.Broadcast domain
- ☐ c.Management domain
- ☐ d.Blocking domain

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 24.Single

An L2 switch checks the MAC address forwarding table before it forwards a packet. How does the L2 switch forward a packet that contains an address not listed in the MAC address forwarding table?

- ☐ a.Multicast
- ☐ b.Broadcast
- ☐ c.Unicast
- ☐ d.Searching for routes

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 25.Single

Which of the following is the abbreviation for ICMP?

- ☐ a.Internal Control Mail Protocol
- ☐ b.Intranet Control Message Protocol
- ☐ c.internet connection Message Protocol



☐ d. Internet Control Message Protocol

Answers of examinees : d **Correct answer**

Correct answer :  
d

QuestionScore:(2.0) Current Score: 2.0

## 26.Single

OSPF takes the precedence to select ( ) as a router ID unless you specify a router ID manually.

- ☐ a. the biggest IP address of all the loopback port addresses
- ☐ b. the biggest IP address of the physical port IP addresses
- ☐ c. 127.0.0.1
- ☐ d. the IP address of a port connected to an OSPF neighbor

Answers of examinees : a **Correct answer**

Correct answer :  
a

QuestionScore:(2.0) Current Score: 2.0

## 27.Single

Which of the following protocols authenticates a user remotely, authorizes the user access, and performs charging?

- ☐ a. SMTP
- ☐ b. RADIUS
- ☐ c. DNS
- ☐ d. HTTP

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 28.Single

Which of the following statements regarding the routing loop in OSPF is correct?

- ☐ a. Routing loop is eliminated within an OSPF area.
- ☐ b. Routing loop is not eliminated between two OSPF areas.
- ☐ c. Routing loop is not eliminated within an OSPF Autonomous Systems.
- ☐ d. No routing loop exists outside the OSPF autonomous system.

Answers of examinees : c **Wrong answer**

Correct answer :  
a

QuestionScore:(2.0) Current Score: 0.0

### 29.Single

A switch is based on port-based VLAN IDs. When the switch receives untagged frames, the VLAN ID is determined by ( ).

- ☐ a. BPDU
- ☐ b. PVID
- ☐ c. MAC mapping table
- ☐ d. IP Address

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 30.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 : c **Wrong answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 0.0

### 31.Single

Which of the following multicast address represents all routers of the subnet?

- ☐ a.224.0.0.1
- ☐ b.224.0.0.2
- ☐ c.224.0.0.3
- ☐ d.224.0.0.9

Answers of examinees : c **Wrong answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 0.0

### 32.Single

How many hosts are available for the network segment 192.168.2.16/28?

- ☐ a.16
- ☐ b.8
- ☐ c.15

☐ d.14

☐ e.7

Answers of examinees : a **Wrong answer**

Correct answer :  
d

QuestionScore:(2.0) Current Score: 0.0

### 33.Single

Which of the following is the function of session layer?

☐ a.Provide encryption and decryption

☐ b.Provide data transformation and data format

☐ c.Establish connection between hosts

☐ d.Establish maintain and terminate session

Answers of examinees : d **Correct answer**

Correct answer :  
d

QuestionScore:(2.0) Current Score: 2.0

### 34.Single

On Huawei switches running STP,the default value of forward delay is ( ) seconds.

☐ a.10

☐ b.15

☐ c.20

☐ d.30

Answers of examinees : b **Correct answer**

Correct answer :

b

QuestionScore:(2.0) Current Score: 2.0

### 35.Single

Which of the following is used by routers to forward the packets on the network?

- ☐ a.DNS lookups
- ☐ b.ARP tables
- ☐ c.Routing tables
- ☐ d.MAC address tables

Answers of examinees : c **Correct answer**

Correct answer :

c

QuestionScore:(2.0) Current Score: 2.0

### 36.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

### 37.Single

In a destination MAC address, which bit of the address determines whether a frame is sent to a “single” station or a group of stations?

- ☐ a.0
- ☐ b.1
- ☐ c.8
- ☐ d.48

Answers of examinees : d **Wrong answer**

Correct answer :  
c

QuestionScore:(2.0) Current Score: 0.0

### 38.Single

The common address in an IP address is globally unique. Which of the following addresses can be used repeated in a LAN?

- ☐ a.Host address
- ☐ b.Private address
- ☐ c.Network address
- ☐ d.Subnet address

Answers of examinees : d **Wrong answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 0.0

### 39.Single

Routers are a type of computer equipment for network interconnections. Which layer of the OSI reference model does a router work at?

- ☐ a.Session Layer

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

Answers of examinees : c **Correct answer**

Correct answer :  
c

QuestionScore:(2.0) Current Score: 2.0

#### 40.Single

Which of the following standards is defined by IEEE to regulate the implementation of VLAN between switches?

- ☐ a.802.1x
- ☐ b.802.1d
- ☐ c.802.1q
- ☐ d.802.3

Answers of examinees : c **Correct answer**

Correct answer :  
c

QuestionScore:(2.0) Current Score: 2.0

#### 41.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

#### 42.Single

A port of the switch belongs to VLAN 5. If VLAN 5 is removed by using command "undo vlan 5", then which VLAN does this port belong?



a.0



b.1



c.1023



d.1024

Answers of examinees : b **Correct answer**

Correct answer :

b

QuestionScore:(2.0) Current Score: 2.0

#### 43.Single

When a node transmits data over a network medium, the data is transmitted to all the nodes on the network. Which topology does this network use?



a.Star



b.Bus



c.Tree



d.Ring

Answers of examinees : a **Wrong answer**



Correct answer :  
b

QuestionScore:(2.0) Current Score: 0.0

#### 44.Single

172.16.10.32/24 is ( )

- ☐ a.Network address
- ☐ b.Host address
- ☐ c.Multicast address
- ☐ d.Broadcast address

Answers of examinees : a **Wrong answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 0.0

#### 45.Single

A MAC address consists of 48 bits and is generally expressed in 12-bit dotted decimal notation. What kind of address does a MAC address consisting of all 1s stand for?

- ☐ a.Multicast address
- ☐ b.Broadcast address
- ☐ c.Unicast address
- ☐ d.Virtual address

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

#### 46.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 : c **Wrong answer**

Correct answer :  
cd

QuestionScore:(3.0) Current Score: 0.0

#### 47.Multiple Choice

Which of the protocols are commonly used at the Data Link Layer of a WAN?

- ☐ a.802.2
- ☐ b.802.4
- ☐ c.HDLC
- ☐ d.PPP

Answers of examinees : acd **Wrong answer**

Correct answer :  
cd

QuestionScore:(3.0) Current Score: 0.0

#### 48.Multiple Choice

Which of the following devices operate at data link layer?

- ☐ a.Hub
- ☐ b.Bridge

☐ c.Switch

☐ d.Router

☐ e.Firewall

Answers of examinees : bc **Correct answer**

Correct answer :  
bc

QuestionScore:(3.0) Current Score: 3.0

#### 49.Multiple Choice

Which of the following protocols can be used for file transfer?

☐ a.FTP

☐ b.TFTP

☐ c.TELNET

☐ d.ICMP

Answers of examinees : ab **Correct answer**

Correct answer :  
ab

QuestionScore:(3.0) Current Score: 3.0

#### 50.Multiple Choice

What functions does a router mainly provide?

☐ a.Check the destination address in a datagram.

☐ b.Determine the information source.

☐ c.Discover possible routes.

☐ d.Verify and maintain route information.

Answers of examinees : acd **Correct answer**

Correct answer :  
acd

QuestionScore:(3.0) Current Score: 3.0

### 51.Multiple Choice

FTP session consists of two types of connections, they are( )

- ☐ a.Output connection
- ☐ b.Input connection
- ☐ c.Control connection
- ☐ d.Data connection

Answers of examinees : cd **Correct answer**

Correct answer :  
cd

QuestionScore:(3.0) Current Score: 3.0

### 52.Multiple Choice

Which of the following statements regarding RIP are correct?

- ☐ a.RIP is an IGP.
- ☐ b.RIP is an EGP
- ☐ c.RIP is a distance vector routing protocol.
- ☐ d.RIP is a link-state routing protocol.

Answers of examinees : ac **Correct answer**

Correct answer :  
ac

QuestionScore:(3.0) Current Score: 3.0

### 53. 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

### 54. Multiple Choice

Compared to static routing protocol, which of the following are the advantages of dynamic routing protocol?

- ☐ a. Low bandwidth consumption
- ☐ b. Simple
- ☐ c. The router running dynamic routing protocol can detect the changes of the network topology automatically.
- ☐ d. The router running dynamic routing protocol can calculate the routes automatically.

Answers of examinees : cd **Correct answer**

Correct answer :

cd

QuestionScore:(3.0) Current Score: 3.0

### 55. 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 : abc **Correct answer**

Correct answer :  
abc

QuestionScore:(3.0) Current Score: 3.0