

## H12-211 HCNA-HNTD Mock Exam

Answered by :pollyvolk Total exam score:100.0 Exam score:90.0

### 1.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

### 2.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

### 3.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

#### 4.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

#### 5.True or False

Root bridges only provide root ports .



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

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

## 8.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

## 9.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

## 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 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

### 12.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

### 13.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

#### 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

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

#### 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

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

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

### 19.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

### 20.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

### 21.Single

When two OSPF routers synchronize their LSDBs, they use ( ) packets to describe their own LSDBs.

☐ a.Hello

☐ b.DD

☐ c.LSR

☐ d.LSU

Answers of examinees : d **Wrong answer**

Correct answer :

b

QuestionScore:(2.0) Current Score: 0.0

### 22.Single

What is the main function of DNS?

☐ a.Domain Name Resolution

☐ b.Remote Access

☐ c.File Transfer

☐ d.Mail Transfer

Answers of examinees : a **Correct answer**

Correct answer :

a

QuestionScore:(2.0) Current Score: 2.0

### 23.Single

Which device operates at physical layer?

- ☐ a.Switch
- ☒ b.Hub
- ☐ c.Router
- ☐ d.Firewall

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 24.Single

According to OSI reference model, which layer defines mechanical, electrical, functional and procedural functions to realize data transmission?

- ☐ a.Transport layer
- ☐ b.Data link layer
- ☐ c.Network layer
- ☒ d.Physical layer

Answers of examinees : d **Correct answer**

Correct answer :  
d

QuestionScore:(2.0) Current Score: 2.0

### 25.Single

Hub work at ( ) layer.

- ☐ a.Physical
- ☒ b.Data link



☐ c.Network

☐ d.Application

Answers of examinees : a **Correct answer**

Correct answer :

a

QuestionScore:(2.0) Current Score: 2.0

## 26.Single

Which of the following cost values indicates that the route learned from RIP is unreachable?

☐ a.8

☐ b.10

☐ c.15

☐ d.16

Answers of examinees : d **Correct answer**

Correct answer :

d

QuestionScore:(2.0) Current Score: 2.0

## 27.Single

According to OSI reference model, switch operates at ( ) layer.

☐ a.Physical

☐ b.Data link

☐ c.Transport

☐ d.Application

Answers of examinees : b **Correct answer**

Correct answer :

b

QuestionScore:(2.0) Current Score: 2.0

### 28.Single

Which of the following is the default TCP port number used by HTTP?

☐ a.80

☐ b.8080

☐ c.110

☐ d.25

Answers of examinees : a **Correct answer**

Correct answer :

a

QuestionScore:(2.0) Current Score: 2.0

### 29.Single

In STP, what is the length of bridge ID?

☐ a.8 bits

☐ b.32 bits

☐ c.48 bits

☐ d.64 bits

Answers of examinees : d **Correct answer**

Correct answer :

d

QuestionScore:(2.0) Current Score: 2.0

### 30.Single

Which of the following routing protocols are the link state routing protocols?

- ☐ a.RIP
- ☐ b.BGP
- ☐ c.IP
- ☐ d.OSPF

Answers of examinees : d **Correct answer**

Correct answer :  
d

QuestionScore:(2.0) Current Score: 2.0

### 31.Single

Which of the following protocols provides a reliability mechanism and can be used as a transport-level protocol?

- ☐ a.TCP
- ☐ b.UDP
- ☐ c.ICMP
- ☐ d.HDLC

Answers of examinees : a **Correct answer**

Correct answer :  
a

QuestionScore:(2.0) Current Score: 2.0

### 32.Single

Which of the following protocols is a Application layer protocol , translates a domain name into an IP address, and manages domain names in a distributed manner?

- ☐ a.TCP
- ☐ b.UDP

☐ c.DNS

☐ d.HTTP

Answers of examinees : c **Correct answer**

Correct answer :

c

QuestionScore:(2.0) Current Score: 2.0

### 33.Single

The first three octets of a Class C IP address represent a network. Which of the following binary numbers does the first byte of the three octets start with?

☐ a.101

☐ b.100

☐ c.110

☐ d.10

Answers of examinees : c **Correct answer**

Correct answer :

c

QuestionScore:(2.0) Current Score: 2.0

### 34.Single

In a TCP/IP protocol stack, the headers of packets at each layer are removed in the decapsulation process in a specified manner. Which of the following is the right manner?

☐ a.From upper to lower

☐ b.From lower to upper

☐ c.From Transport Layer to the lower layers

☐ d.From Network Layer to the upper layers

Answers of examinees : a **Wrong answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 0.0

### 35.Single

The default mask of class B address is ( ).

- ☐ a.255.0.0.0
- ☐ b.255.255.0.0
- ☐ c.255.255.255.0
- ☐ d.255.225.255.255

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 36.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

### 37.Single

172.16.10.32/24 is ( )

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

Answers of examinees : b **Correct answer**

Correct answer :  
b

QuestionScore:(2.0) Current Score: 2.0

### 38.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

### 39.Single

Which of the following represents the subnet mask of the 192.168.1.7/28 IP address?

- ☐ a.255.255.255.240

☐ b.255.255.255.248

☐ c.255.255.255.224

☐ d.255.255.255.252

Answers of examinees : a **Correct answer**

Correct answer :

a

QuestionScore:(2.0) Current Score: 2.0

#### 40.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

#### 41.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

#### 42.Single

What is the decimal value for binary 11001011?

☐ a.171

☐ b.193

☐ c.203

☐ d.207

Answers of examinees : c **Correct answer**

Correct answer :

c

QuestionScore:(2.0) Current Score: 2.0

#### 43.Single

What function does the NCP protocol can provide for a PPP connection?

☐ a.Error detection

☐ b.User identifier authentication

☐ c.Carrying of “multiple” Layer 3 protocols

☐ d.Congestion control

Answers of examinees : c **Correct answer**

Correct answer :

c



QuestionScore:(2.0) Current Score: 2.0

#### 44.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

#### 45.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

#### 46.Multiple Choice

Which of the following are routed protocols?

- ☐ a.IP

☐ b.OSPF

☐ c.BGP

☐ d.IPX

Answers of examinees : ad **Correct answer**

Correct answer :  
ad

QuestionScore:(3.0) Current Score: 3.0

#### 47.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

#### 48.Multiple Choice

Which of the following are the interface states of STP?

☐ a.Disabled

☐ b.Blocking

☐ c.Shut down

☐ d.Learning

☐ e.Forwarding

Answers of examinees : abde **Correct answer**

Correct answer :  
abde

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

Which of the following statements regarding RIP routing information are correct?

- ☐ a. User can specify the route preference of RIP higher than that of static routes.
- ☐ b. If the route calculated by other routing protocol which is imported by RIP does not specify the cost value, the cost value will be set as 1 by default
- ☐ c. User can specify the route preference value of RIP lower than that of direct routes.
- ☐ d. The route preference of RIP can not be configured manually.

Answers of examinees : ab **Correct answer**

Correct answer :  
ab

QuestionScore:(3.0) Current Score: 3.0

### 52. Multiple Choice

A routing table can be formed by using different methods. Which of the following protocols are used to form a routing table?

- ☐ a. Static routing protocol
- ☐ b. Dynamic routing protocol
- ☐ c. Application-level protocol
- ☐ d. Transport-level protocol

Answers of examinees : ab **Correct answer**

Correct answer :  
ab

QuestionScore:(3.0) Current Score: 3.0

### 53. Multiple Choice

Which of the following statements regarding default route are correct?

- ☐ a.Default route is a special type of dynamic route
- ☐ b.Some of the dynamic routing protocol such as OSPF can generate default routes.
- ☐ c.Default route is used when the destination network is not in the routing table.
- ☐ d.The network IP and mask of the default route is 0.0.0.0 and 0.0.0.0 respectively.

Answers of examinees : cd **Wrong answer**

Correct answer :  
bcd

QuestionScore:(3.0) Current Score: 0.0

#### 54.Multiple Choice

According to the algorithms, routing protocols fall into two categories. They are ( )

- ☐ a.IGP
- ☐ b.EGP
- ☐ c.Distance Vector
- ☐ d.Link-state

Answers of examinees : ab **Wrong answer**

Correct answer :  
cd

QuestionScore:(3.0) Current Score: 0.0

#### 55.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