

H12-211 HCNA-HNTD Mock Exam

Answered by :ebg_31079911 Total exam score:100.0 Exam score:85.0

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

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

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: √ **Wrong answer**

Correct answer:
×

QuestionScore:(1.0) Current Score: 0.0

4.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: × **Wrong answer**

Correct answer:

√

QuestionScore:(1.0) Current Score: 0.0

5.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

6.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

7.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

8.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: × **Wrong answer**

Correct answer:

√

QuestionScore:(1.0) Current Score: 0.0

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

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

☐√ ☐×

Answers of examinees: √ **Wrong answer**

Correct answer:

×

QuestionScore:(1.0) Current Score: 0.0

11.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

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

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

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

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

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

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

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

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

22.Single

Which of the following class address are multicast address ?

- ☐ a.Class A
- ☐ b.Class B
- ☐ c.Class D
- ☐ d.Class E

Answers of examinees: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

23.Single

Which of the following standard organizations has defined the protocol for LAN such as 802 series protocols?

- ☐ a.IEEE
- ☐ b.ITU-T
- ☐ c.IETF
- ☐ d.ETSI

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

24.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

25.Single

According to OSI reference model, which layer does PPP reside at?

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

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

26.Single

The TTL field in an IP header specifies the number of routers that a datagram is allowed to traverse. After the datagram traverses a router, the TTL value is deducted by 1. When the TTL reaches a certain value, the datagram is discarded. Which of the following represents this value?

- ☐ a. 0
- ☐ b. 1
- ☐ c. -1

☐ d.2

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

27.Single

Which layer is the PPP protocol located in the TCP/IP protocol stack?

- ☐ a.Physical Layer
- ☐ b.Data Link Layer
- ☐ c.Network Layer
- ☐ d.Transport Layer

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

28.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: c **Correct answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 2.0

29.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

30.Single

The protocol data unit that resides at network layer is called ().

- ☐ a.Segment
- ☐ b.Packet
- ☐ c.Bit
- ☐ d.Frame

Answers of examinees: b **Correct answer**

Correct answer:
b

QuestionScore:(2.0) Current Score: 2.0

31.Single

After OSPF divides an AS into different areas, what type of information is send between these areas?

- ☐ a.Abstract route information for each area
- ☐ b.Link state information for each area
- ☐ c.Topology information for each area
- ☐ d.Link bandwidth information for each area

Answers of examinees: a **Correct answer**

Correct answer:
a

QuestionScore:(2.0) Current Score: 2.0

32.Single

A frame tag adds () to each frame so that the frame can be transmitted through Trunk ports on switches.

- ☐ a.Destination MAC address
- ☐ b.Source MAC address of a switch
- ☐ c.VLAN ID
- ☐ d.Bridge ID of a switch

Answers of examinees: c **Correct answer**

Correct answer:
c

QuestionScore:(2.0) Current Score: 2.0

33.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

34.Single

Which layer in the TCP/IP model specifies the highest transmission rate and longest transmission distance?

- ☐ a.Physical Layer
- ☐ b.Data Link Layer
- ☐ c.Transport Layer
- ☐ d.Application Layer

Answers of examinees: a **Correct answer**

Correct answer:
a

QuestionScore:(2.0) Current Score: 2.0

35.Single

The main idea of STP is to generate a loop-free tree by exchanging a special kind of message between bridges. This message is called ().

- ☐ a.Configuration BPDU
- ☐ b.TCN BPDU
- ☐ c.Hello BPDU
- ☐ d.Update BPDU

Answers of examinees: c **Wrong answer**

Correct answer:
a

QuestionScore:(2.0) Current Score: 0.0

36.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

37.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

38.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

39.Single

One distinct difference between the TCP/IP model and the OSI reference model is that the TCP/IP model classifies two other layers of the OSI model into the Application Layer. What are the two layers?

- ☐ a.Transport Layer, Presentation Layer
- ☐ b.Session Layer, Presentation Layer
- ☐ c.Transport Layer, Session Layer
- ☐ d.Presentation Layer, Application Layer

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

40.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: a **Wrong answer**

Correct answer:

c

QuestionScore:(2.0) Current Score: 0.0

41.Single

VLAN is short for?

- ☐ a.Virtual local area network
- ☐ b.Virtual long area network
- ☐ c.Virtual local area networking
- ☐ d.Virtual long area networking

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

42.Single

Which of the following class has the first octet beginning with "1110"?

- ☐ a.Class A
- ☐ b.Class B
- ☐ c.Class C
- ☐ d.Class D

Answers of examinees: d **Correct answer**

Correct answer:

d

QuestionScore:(2.0) Current Score: 2.0

43.Single

How many bytes does the Maximum Receive Unit (MRU) of PPP consist of by default?

- ☐ a.1024
- ☐ b.1500
- ☐ c.1518

☐ d.8096

Answers of examinees: b **Correct answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 2.0

44.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: a **Wrong answer**

Correct answer:

b

QuestionScore:(2.0) Current Score: 0.0

45.Single

The distance limit of category 5 UTP wiring is ().

☐ a.100 meters

☐ b.200 meters

☐ c.50 meters

☐ d.185 meters

Answers of examinees: a **Correct answer**

Correct answer:

a

QuestionScore:(2.0) Current Score: 2.0

46.Multiple Choice

Data link layer has two sub-layers, they are ()

☐ a.PVC sub-layer

- ☐ b.MAC sub-layer
- ☐ c.LLC sub-layer
- ☐ d.VC sub-layer

Answers of examinees: bc **Correct answer**

Correct answer:
bc

QuestionScore:(3.0) Current Score: 3.0

47.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: bd **Wrong answer**

Correct answer:
bcd

QuestionScore:(3.0) Current Score: 0.0

48.Multiple Choice

In STP, the bridge ID consists of two parts. They are () and ().

- ☐ a.Switch priority
- ☐ b.Switch Port ID
- ☐ c.Switch MAC address
- ☐ d.Switch IP address

Answers of examinees: ac **Correct answer**

Correct answer:
ac

QuestionScore:(3.0) Current Score: 3.0

49.Multiple Choice

Which of the following statements regarding OSPF area are incorrect?

- ☐ a. Without manual configuration, an OSPF area is a backbone area with area ID 0 by default.
- ☐ b. OSPF supports area division.
- ☐ c. Every OSPF area is identified by a 32-bit Area ID number.
- ☐ d. Area ID must be assigned by IANA and we can not simply assign it.

Answers of examinees: ad **Correct answer**

Correct answer:
ad

QuestionScore:(3.0) Current Score: 3.0

50. Multiple Choice

Which of the following protocols are routing protocols?

- ☐ a. RIP
- ☐ b. OSPF
- ☐ c. PPP
- ☐ d. IPX

Answers of examinees: ab **Correct answer**

Correct answer:
ab

QuestionScore:(3.0) Current Score: 3.0

51. 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

52. 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

53. Multiple Choice

Which of the following descriptions about access port are correct?

- ☐ a. Access port belongs to only one VLAN
- ☐ b. Access port belongs to "multiple" VLAN
- ☐ c. Access port is used for connection between switch and PC
- ☐ d. Access port is used for connection between switches

Answers of examinees: ac **Correct answer**

Correct answer:

ac

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 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

close