Microsoft

Exam Questions 98-366

MTA Networking Fundamentals
NEW QUESTION 1
How many bits are there in an Internet Protocol version 6 (IPv6) address?

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

Answer: C

NEW QUESTION 2
Which command is used to verify that a server is connected to the network?

A. IPCONFIG  
B. ROUTE  
C. PING  
D. CHECK  

Answer: C

NEW QUESTION 3
Which of these cable types transmits data the greatest distance?

A. Multi-mode fiber  
B. Single-mode fiber  
C. Cat5e  
D. Cat6  

Answer: B

NEW QUESTION 4
You need to run four Ethernet network drops. Each drop is approximately 125 feet/46.33 meters. An interference exists along the path of each drop. You need to ensure that interference is reduced. Which cable type should you use?

A. STP Cat5e  
B. UTPCat5e  
C. Cat3  
D. UTPCat6  

Answer: A

NEW QUESTION 5
In a physical star topology, the central device is referred to as a:

A. Bridge  
B. Server  
C. segmenter  
D. Hub  

Answer: D

NEW QUESTION 6
HOTSPOT
Identify the network cable type and connector in the following graphic:
Use the drop-down menus to select the answer choice that answers each question. Each correct selection is worth one point.

**Connector type**
- RJ45
- RJ11
- FDDI

**Cable type**
- Ethernet
- Cat3
- Fiber Optic

**Answer:** A  
**Answer:** Not Mastered

**Explanation:**

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NEW QUESTION 7
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Answer Area

<table>
<thead>
<tr>
<th>Statement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>A switch sends unicast packets to one destination port only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A switch floods ports if it does not know where to send a packet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A switch sends broadcast packets to the uplink port only.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 8
A Layer 2 device that connects multiple computers within a network is a:

A. Repeater
B. Switch
C. Router
D. Packet

Answer: B

NEW QUESTION 9
This question requires that you evaluate the underlined text to determine if it is correct. Dynamic routing is fault tolerant.

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Select the correct answer if the underlined text does not make the statement correct. Select "No change is needed" if the underlined text makes the statement correct.

A. Static routing
B. Default route
C. Least cost routing
D. No change is needed

Answer: D

NEW QUESTION 10
DRAG DROP
Match the OSI layer to its corresponding description.
To answer, drag the appropriate OSI layer from the column on the left to its description on the right. Each OSI layer may be used once, more than once, or not at all. Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
NEW QUESTION 11
In which physical network topology is each computer connected to a central point?

A. Star
B. Mesh
C. Ring
D. Bus

Answer: A

NEW QUESTION 12
What is a similarity between Layer 2 and Layer 3 switches?

A. Both provide a high level of security to the network.
B. Both use logical addressing to forward transmissions.
C. Both forward packets onto the network.
D. Both allow the implementation of VLANs.

Answer: C

NEW QUESTION 13
The query protocol used to locate resources on a network is:

A. User Datagram Protocol (UDP).
C. Tracert
D. Telnet.

Answer: B

NEW QUESTION 14
A university has network links between various locations. Where would a T3 connection be appropriate?

A. Server to network in the main campus server room
B. Main campus to a large satellite campus
C. Computer lab PC to lab printer
D. Library laptop PC to Internet

Answer: A

NEW QUESTION 15

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HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

**Answer Area**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPv6 addresses are 64-bit in length.</td>
<td>☐</td>
</tr>
<tr>
<td>IPv6 addresses are divided into 8-bit blocks.</td>
<td>☐</td>
</tr>
<tr>
<td>IPv6 addresses are represented by dotted-decimal notation.</td>
<td>☐</td>
</tr>
</tbody>
</table>

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

NEW QUESTION 16
A node within a local area network (LAN) must have a network interface device and a:

A. Network account
B. Table of all network nodes
C. Host address
D. Resource to share

**Answer:** C

NEW QUESTION 17
HOTSPOT
For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

**Answer Area**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPSec can be used to secure network communications between two machines.</td>
<td>☐</td>
</tr>
<tr>
<td>IPSec can be used to secure network communication between two networks.</td>
<td>☐</td>
</tr>
<tr>
<td>IPSec network traffic is always encrypted.</td>
<td>☐</td>
</tr>
</tbody>
</table>

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

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NEW QUESTION 18
One purpose of a perimeter network is to:

A. Make resources available to the intranet.
B. Link campus area networks (CANs).
C. Link local area networks (LANs).
D. Make resources available to the Internet.

Answer: D

NEW QUESTION 19
What is the DNS record type that specifies an alias name of another address record?

A. MX
B. CNAME
C. NS
D. SOA

Answer: C

NEW QUESTION 20
Which wireless communication problem is caused by electromagnetic waves?

A. Fading
B. Attenuation
C. Interference
D. Diffraction

Answer: C

NEW QUESTION 21
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