Packet tracer MCQS

Easy to medium level

1. What is the primary purpose of Cisco Packet Tracer?

a) To browse the internet

b) To play video games

c) **To simulate network devices and topologies**

d) To write code

**Correct Option: c) To simulate network devices and topologies**

1. Which of the following is a common network device you can find in Packet Tracer's device panel?

a) Microwave oven

b) Television

c) **Router**

d) Refrigerator

**Correct Option: c) Router**

1. In Packet Tracer, what does the "Logical Workspace" allow you to do?

a) Physically connect devices with cables

b) **Design and configure network topologies**

c) View the internal components of a device

d) Monitor real-time network traffic on a live network

**Correct Option: b) Design and configure network topologies**

1. What type of cable is commonly used to connect two *different* types of network devices, like a computer to a switch?

a) **Straight-through cable**

b) Cross-over cable

c) Console cable

d) Fiber optic cable

**Correct Option: a) Straight-through cable**

1. Which icon in the bottom right corner of the Packet Tracer interface allows you to switch between Realtime and Simulation mode?

a) The power button icon

b) The magnifying glass icon

c) **The clock icon**

d) The envelope icon

**Correct Option: c) The clock icon**

1. What is the basic command used in a Cisco router or switch to access the privileged EXEC mode?

a) configure terminal

b) show running-config

c) **enable**

d) interface

**Correct Option: c) enable**

1. Which of the following is a function of a network switch?

a) To assign IP addresses to devices

b) To connect different networks together

c) **To forward data packets between devices within the same network**

d) To provide wireless internet access

**Correct Option: c) To forward data packets between devices within the same network**

1. What is the purpose of an IP address?

a) To physically connect devices

b) **To uniquely identify a device on a network**

c) To provide power to a device

d) To encrypt network data

**Correct Option: b) To uniquely identify a device on a network**

1. Which tab in the device configuration window allows you to set the IP address of an end device like a PC?

a) CLI

b) **Config**

c) Physical

d) Attributes

**Correct Option: b) Config**

1. What does the acronym "LAN" stand for?
2. a) Large Area Network
3. b) **Local Area Network**
4. c) Logical Access Node
5. d) Link Aggregation Network
6. **Correct Option: b) Local Area Network**

**Intermediate Level**

1. You need to assign an IP address, subnet mask, and default gateway to a PC in Packet Tracer. Where would you typically configure the default gateway?

a) In the switch's VLAN configuration

b) In the router's routing table

c) **In the PC's IP configuration settings**

d) In the access point's wireless settings

**Correct Option: c) In the PC's IP configuration settings**

1. Which command displays the IP routing table on a Cisco router?

a) show interface brief

b) show mac address table

c) **show ip route**

d) show running-config

**Correct Option: c) show ip route**

1. What is the purpose of a VLAN (Virtual Local Area Network)?

a) To increase the physical distance between network devices

b) To decrease the bandwidth available on a network

c) **To logically segment a physical network into multiple broadcast domains**

d) To automatically assign MAC addresses to devices

**Correct Option: c) To logically segment a physical network into multiple broadcast domains**

1. You are troubleshooting connectivity issues and want to see the IP configuration of a router's interface. Which command would you use in the router's CLI?

a) show ip route

b) show mac address-table

c) **show ip interface brief**

d) ping

**Correct Option: c) show ip interface brief**

1. What is the function of the DHCP (Dynamic Host Configuration Protocol) server in a network?

a) To provide DNS resolution

b) **To automatically assign IP addresses and other network configuration parameters to client devices**

c) To route traffic between different networks

d) To provide secure communication using encryption

**Correct Option: b) To automatically assign IP addresses and other network configuration parameters to client devices**

1. Which routing protocol is a distance-vector routing protocol?

a) OSPF

b) IS-IS

c) **RIP**

d) BGP

**Correct Option: c) RIP**

1. You want to save the current configuration of a Cisco switch so that it loads automatically upon the next reboot. Which command should you use?

a) show running-config

b) copy running-config

c) **copy running-config startup-config**

d) show startup-config

**Correct Option: c) copy running-config startup-config**

1. What type of address is used by switches to make forwarding decisions within a local network?

a) IP address

b) **MAC address**

c) Port number

d) Subnet mask

**Correct Option: b) MAC address**

1. In Packet Tracer's Simulation mode, what type of information can you examine in the Event List panel?

a) The physical location of network devices

b) The real-time CPU utilization of devices

c) **Details about the Protocol Data Units (PDUs) as they traverse the network**

d) The list of available commands for each device

**Correct Option: c) Details about the Protocol Data Units (PDUs) as they traverse the network**

1. You are configuring a static IP address on a PC and need to specify the subnet mask. What does the subnet mask primarily determine?

a) The speed of the network connection

b) The physical address of the device

c) **The network portion and the host portion of the IP address**

d) The default gateway for the device

**Correct Option: c) The network portion and the host portion of the IP address**