

#1. What is the purpose of an IP address in a computer network?

☐

To identify a device on the network

☐

To determine the color scheme of a website

☐

To play multimedia files

☐

To manage printer settings

☐

To send emails

#2. What is the function of a repeater in a network?

☐

It amplifies and regenerates data signals to extend the range of a network

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#3. What is the purpose of ICMP (Internet Control Message Protocol) in a computer network?

☐

It is used for error reporting and diagnostics in IP networks

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#4. Which protocol is used for secure remote access to a network using a Virtual Private Network (VPN)?

☐

OpenVPN

☐

PPTP

☐

L2TP/IPsec

☐

SSL/TLS VPN

☐

IPsec VPN

#5. Which wireless encryption protocol is considered the most secure as of 2022?

☐

WPA3

☐

WEP

☐

WPA2

☐

WPA

☐

None of the above

#6. What is the purpose of NAT (Network Address Translation) in a router?

☐

It allows multiple devices on a local network to share a single public IP address

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#7. What is the maximum transmission speed of a standard Ethernet connection in bits per second?

☐

1000 Mbps (1 Gigabit per second)

☐

100 Mbps (100 Megabits per second)

☐

10 Mbps (10 Megabits per second)

☐

1 Gbps (1 Gigabit per second)

☐

10 Gbps (10 Gigabits per second)

#8. In a network, what does the term “bandwidth” refer to?

☐

The maximum data transfer rate of a network connection

☐

The physical width of a network cable

☐

The distance between devices on a network

☐

The number of devices connected to a network

☐

The speed of data transmission on a network

#9. Which protocol is responsible for assigning IP addresses dynamically to devices on a network?

☐

DHCP (Dynamic Host Configuration Protocol)

☐

DNS

☐

SMTP

☐

FTP

☐

HTTP

#10. What is the primary purpose of a router in a computer network?

☐

To forward data packets between different networks

☐

To encrypt data for secure transmission

☐

To filter incoming emails

☐

To convert analog signals to digital

☐

To manage printer settings

#11. What is the main function of a DNS cache in a computer system?

☐

It stores recently accessed DNS records to speed up future lookups

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#12. Which type of cable is commonly used for Ethernet networking and can support high-speed data transmission?

☐

Cat 5e

☐

Coaxial

☐

Fiber optic

☐

USB

☐

HDMI

#13. What is the purpose of VLAN (Virtual LAN) in networking?

☐

It allows logical segmentation of a network, even if devices are physically located on the same network switch

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#14. Which protocol is used for transferring files over a secure connection (encrypted) on a network?

☐

SFTP (SSH File Transfer Protocol)

☐

FTPS (File Transfer Protocol Secure)

☐

TFTP (Trivial File Transfer Protocol)

☐

HTTP

☐

SMTP

#15. What is the purpose of a proxy server in a network?

☐

It acts as an intermediary between clients and servers, forwarding requests and responses

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#16. What is the purpose of a default gateway in IP networking?

☐

It is a device that connects a local network to other networks

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#17. Which network device is used to connect multiple networks together and make decisions about where to send data packets?

☐

Router

☐

Switch

☐

Hub

☐

Modem

☐

Firewall

#18. What is the purpose of an IP address in a computer network?

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To send emails

#19. What is the function of a repeater in a network?

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It amplifies and regenerates data signals to extend the range of a network

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It converts analog signals to digital

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It manages printer settings

Finish

Results

