#1. 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

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

☐
DHCP (Dynamic Host Configuration Protocol)

☐
DNS

☐
SMTP

☐
FTP

☐
HTTP

#3. What is the purpose of ARP (Address Resolution Protocol) in a computer network?

☐
It maps an IP address to a MAC address

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

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

☐

WPA3

☐

WEP

☐

WPA2

☐

WPA

☐

None of the above

#5. 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

#6. 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)

#7. Which type of network provides internet connectivity to devices within a limited geographic area, like a coffee shop or airport?

☐

WLAN (Wireless Local Area Network)

☐

LAN (Local Area Network)

☐

WAN (Wide Area Network)

☐

MAN (Metropolitan Area Network)

☐

PAN (Personal Area Network)

#8. 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

#9. What does the acronym "URL" stand for in the context of web browsing?

☐

Uniform Resource Locator

☐

Universal Resource Locator

☐

Uniform Retrieval Locator

☐

Universal Retrieval Locator

☐

None of the above

#10. Which protocol is used for secure shell access to remote servers?

☐

SSH (Secure Shell)

☐

FTP

☐

SMTP

☐

POP

☐

HTTP

#11. What is the purpose of a MAC address in networking?

☐

It is a unique identifier for a network interface card

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#12. 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

#13. 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

#14. What is the purpose of a subnet mask in IP networking?

☐

It defines the network portion of an IP address and the host portion

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#15. Which protocol is used for sending and receiving email messages over the internet?

☐

SMTP

☐

HTTP

☐

FTP

☐

DNS

☐

POP

#16. What is the main purpose of a firewall in a computer network?

☐

To protect against unauthorized access and malicious activity

☐

To enhance download speed

☐
To store files in the cloud
☐
To convert analog signals to digital
☐
To print documents
#17. Which network topology connects all devices in a circular pathway?

☐
Ring
☐
Star
☐
Bus
☐
Mesh
☐
Tree
#18. Which protocol is used for secure communication over a computer network?

☐
SSL/TLS
☐
FTP
☐
HTTP
☐
POP
☐
DNS
#19. 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

#20. Which protocol is used for secure communication over a computer network?

☐
SSL/TLS
☐
FTP
☐
HTTP
☐
POP
☐
DNS

Next

Results