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

☐
WPA3

☐
WEP

☐
WPA2

☐
WPA

☐
None of the above

#2. 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

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

☐
DHCP (Dynamic Host Configuration Protocol)

☐

DNS

☐

SMTP

☐

FTP

☐

HTTP

#4. What is the main function of a proxy server in a network?

☐

It acts as an intermediary between a local network and the internet

☐

It encrypts data for secure transmission

☐

It filters incoming emails

☐

It converts analog signals to digital

☐

It manages printer settings

#5. Which network device is used to connect multiple networks together and direct data traffic between them?

☐

Router

☐

Switch

☐

Modem

☐

Hub

☐

Firewall

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

☐
SSH (Secure Shell)
☐
FTP
☐
SMTP
☐
POP
☐
HTTP

#7. 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

#8. Which type of network spans a large geographic area and typically connects multiple LANs across different locations?

☐
WAN (Wide Area Network)
☐
LAN (Local Area Network)
☐
WLAN (Wireless Local Area Network)

☐
MAN (Metropolitan Area Network)
☐
PAN (Personal Area Network)

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

☐
It groups devices into separate virtual networks based on logical criteria
☐
It encrypts data for secure transmission
☐
It filters incoming emails
☐
It converts analog signals to digital
☐
It manages printer settings

#10. What is the purpose of a DNS server in a computer network?

☐
It resolves domain names to IP addresses
☐
It encrypts data for secure transmission
☐
It filters incoming emails
☐
It converts analog signals to digital
☐
It manages printer settings

#11. Which protocol is used for secure web browsing (HTTPS)?

☐
SSL/TLS

☐
FTP
☐
SMTP
☐
POP
☐
HTTP

#12. Which type of network device operates at the Network layer of the OSI model and makes forwarding decisions based on IP addresses?

☐
Router
☐
Switch
☐
Hub
☐
Modem
☐
Firewall

#13. 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

#14. Which network device connects multiple computers in a star topology and helps filter and forward data packets?

☐
Switch

☐
Router

☐
Hub

☐
Modem

☐
Firewall

#15. What is the purpose of a modem in a computer network?

☐
It modulates and demodulates analog signals for digital transmission

☐
It encrypts data for secure transmission

☐
It filters incoming emails

☐
It converts analog signals to digital

☐
It manages printer settings

#16. Which protocol is used for sending emails from a client to a mail server?

☐
SMTP

☐
HTTP

☐
FTP

☐
DNS

☐
POP

#17. What is the maximum range of a typical Bluetooth connection (in meters)?

☐
10 meters

☐
50 meters

☐
100 meters

☐
500 meters

☐
1000 meters

#18. In a network, what does the term "Latency" refer to?

☐
The time it takes for data to travel from the source to the destination

☐
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

#19. Which protocol is responsible for translating human-readable domain names to IP addresses?

☐
DNS

☐
DHCP
☐
ARP
☐
SNMP
☐
ICMP

#20. What is the function 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

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