⬛ EASY (Q1–Q10)

Q1. Samba is primarily used to:
A. Share printers only
B. Provide Linux authentication
C. Share files with Windows systems
D. Provide DNS services

Q2. Which protocol is used by Samba for file sharing?
A. NFS
B. FTP
C. SMB/CIFS
D. HTTP

Q3. Which file is the main configuration file for Samba?
A. /etc/smb.conf
B. /etc/samba.conf
C. /etc/samba/smb.conf
D. /etc/samba/config

Q4. Which command checks Samba configuration syntax?
A. smbcheck
B. testparm
C. smbd -t
D. samba-test

Q5. DHCP stands for:
A. Dynamic Host Control Protocol
B. Dynamic Host Configuration Protocol
C. Domain Host Configuration Protocol
D. Data Host Control Protocol

Q6. Which DHCP message is sent by a client to discover servers?
A. DHCPACK
B. DHCPREQUEST
C. DHCPDISCOVER
D. DHCPNAK

Q7. Which port does DHCP server use?
A. 53
B. 67
C. 68
D. 69

Q8. Which file configures DHCP server settings in Linux?
A. /etc/dhcp.conf

B. /etc/dhcp/dhcpd.conf
C. /etc/dhcpd.conf
D. /etc/network/dhcp.conf

Q9. Which DNS server software is commonly used in Linux?
A. Samba
B. Postfix
C. BIND
D. Dovecot

Q10. Which DNS record maps domain names to IPv4 addresses?
A. AAAA
B. PTR
C. A
D. MX

☐ **MEDIUM (Q11–Q25)**

Q11. Which Samba service handles file sharing?
A. winbindd
B. nmbd
C. smbd
D. rpcd

Q12. Which command adds a Linux user to Samba?
A. useradd
B. smbadd
C. smbpasswd -a
D. passwd

Q13. Which Samba mode allows acting as an Active Directory Domain Controller?
A. Standalone server
B. Member server
C. AD DC mode
D. File server mode

Q14. Which DHCP configuration option assigns a fixed IP to a client?
A. range
B. subnet
C. host reservation
D. default-lease-time

Q15. Which DHCP lease file stores assigned IP addresses?
A. /etc/dhcp/leases

B. /var/lib/dhcpd/dhcpd.leases
C. /etc/dhcpd.leases
D. /var/log/dhcp.leases

Q16. Which DNS record specifies authoritative name server for a zone?
A. MX
B. PTR
C. NS
D. SOA

Q17. Which command checks DNS zone file correctness?
A. named-checkconf
B. dig
C. named-checkzone
D. rndc

Q18. Which Samba configuration parameter defines a shared directory?
A. path
B. browseable
C. writable
D. valid users

Q19. Which DHCP option defines default gateway?
A. option routers
B. option domain-name
C. option broadcast-address
D. option subnet-mask

Q20. Which DNS utility queries name servers interactively?
A. ping
B. host
C. nslookup
D. arp

Q21. Which Samba service resolves NetBIOS names?
A. smbd
B. winbindd
C. nmbd
D. rpcd

Q22. Which DHCP message confirms IP assignment to client?
A. DHCPDISCOVER
B. DHCPREQUEST
C. DHCPACK
D. DHCPNAK

Q23. Which DNS directive restricts zone transfers?
A. allow-query
B. allow-recursion
C. allow-transfer
D. forwarders

Q24. Which Samba security mode integrates with Active Directory?
A. security = share
B. security = user
C. security = ads
D. security = domain

Q25. Which DHCP option specifies DNS servers?
A. option routers
B. option domain-name
C. option domain-name-servers
D. option subnet-mask

⬤ HARD (Q26–Q40)

Q26. Why is Samba preferred over FTP for Windows file sharing?
A. Faster transfers
B. Supports Windows permissions and ACLs
C. Uses less memory
D. No authentication required

Q27. Which Samba feature maps Windows SIDs to Linux UIDs/GIDs?
A. smbd
B. nmbd
C. winbind
D. testparm

Q28. Which DHCP attack exhausts all available IP addresses?
A. ARP spoofing
B. DHCP starvation
C. DNS poisoning
D. IP spoofing

Q29. Which DHCP security mechanism mitigates rogue servers?
A. DNSSEC
B. Port security / DHCP snooping
C. NAT
D. Firewalld

Q30. Which DNS feature ensures data integrity and authenticity?
A. Forwarders
B. Caching
C. DNSSEC
D. Recursion

Q31. Which Samba configuration improves security by hiding shares?
A. browseable = yes
B. guest ok = yes
C. browseable = no
D. writable = yes

Q32. Which DHCP configuration parameter controls lease duration?
A. max-lease-time
B. lease-file
C. range
D. option routers

Q33. Which DNS server role answers queries from cache?
A. Authoritative server
B. Root server
C. Recursive server
D. Secondary server

Q34. Which Samba deployment scenario best suits large enterprises?
A. Standalone server
B. Workgroup mode
C. AD Domain Controller
D. Anonymous share

Q35. Why should DHCP servers be restricted to trusted networks?
A. Improve speed
B. Reduce CPU usage
C. Prevent rogue IP assignment
D. Enable logging

Q36. Which DNS attack redirects users to malicious sites?
A. DoS
B. DNS cache poisoning
C. Packet sniffing
D. ARP flooding

Q37. Which Samba command tests connectivity to a Windows client?
A. smbclient
B. testparm

C. smbstatus
D. netstat

Q38. Which DNS record maps IP address to hostname?
A. A
B. AAAA
C. MX
D. PTR

Q39. Which best practice improves DHCP reliability?
A. Single DHCP server only
B. DHCP failover configuration
C. Manual IP assignment
D. Disable logging

Q40. Which principle should guide network service deployment?
A. Maximum exposure
B. Open access
C. Least privilege
D. Anonymous access