

📖 EASY (10 Questions)

Q1. What is the core function of the Linux kernel?

- A. User authentication
- B. Hardware and resource management
- C. Package installation
- D. GUI rendering

Q2. Which Windows service resolves domain names to IP addresses?

- A. DHCP
- B. DNS
- C. IPAM
- D. NPS

Q3. Which Linux command displays current directory contents?

- A. pwd
- B. ls
- C. who
- D. cd

Q4. Which Windows feature provides centralized authentication?

- A. IIS
- B. Hyper-V
- C. Active Directory
- D. NLB

Q5. Which file contains user account information in Linux?

- A. /etc/shadow
- B. /etc/group
- C. /etc/passwd
- D. /etc/login.defs

Q6. Which PowerShell symbol is used for pipelines?

- A. >
- B. &
- C. |
- D. ::

Q7. Which Linux permission allows file execution?

- A. r
- B. w
- C. x
- D. s

Q8. Which Windows feature encrypts entire disks?

- A. EFS

- B. NTFS ACL
- C. BitLocker
- D. IPsec

Q9. Which Linux command shows running processes?

- A. ps
- B. ls
- C. mount
- D. df

Q10. Which Windows tool forces immediate Group Policy update?

- A. gpedit
 - B. gpmmc
 - C. gpupdate /force
 - D. rsop
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☐ **MEDIUM (15 Questions)**

Q11. Which Linux directory stores system configuration files?

- A. /bin
- B. /var
- C. /etc
- D. /usr

Q12. Which Windows FSMO role handles time synchronization?

- A. RID Master
- B. Schema Master
- C. PDC Emulator
- D. Infrastructure Master

Q13. Which Linux command changes file ownership?

- A. chmod
- B. chown
- C. chgrp
- D. umask

Q14. Which DHCP message is sent first by a client?

- A. OFFER
- B. ACK
- C. REQUEST
- D. DISCOVER

Q15. Which Linux package manager is used in Debian-based systems?

- A. yum

- B. dnf
- C. apt
- D. zypper

Q16. Which Windows service provides VPN functionality?

- A. NPS
- B. IIS
- C. RRAS
- D. DHCP

Q17. Which Linux command shows disk usage of file systems?

- A. du
- B. df
- C. mount
- D. lsblk

Q18. Which Hyper-V feature provides disaster recovery?

- A. Checkpoints
- B. Replica
- C. Dynamic Memory
- D. SR-IOV

Q19. Which Linux permission model follows numeric notation?

- A. rwx
- B. ACL
- C. 777
- D. umask

Q20. Which DNS record is essential for Active Directory authentication?

- A. A
- B. MX
- C. SRV
- D. PTR

Q21. Which Linux service manager is used in modern distributions?

- A. init
- B. upstart
- C. systemd
- D. cron

Q22. Which Windows IIS component isolates web applications?

- A. Website
- B. Binding
- C. Virtual Directory
- D. Application Pool

Q23. Which Linux command schedules recurring tasks?

- A. at
- B. cron
- C. nohup
- D. watch

Q24. Which Windows feature controls storage quotas?

- A. NTFS
- B. FSRM
- C. IPAM
- D. DFS

Q25. Which Linux file system supports journaling by default?

- A. FAT32
- B. ext2
- C. ext4
- D. ISO9660

HARD (15 Questions)

Q26. Which Linux attack exploits misconfigured SUID binaries?

- A. Brute force
- B. Privilege escalation
- C. ARP poisoning
- D. DNS spoofing

Q27. Why should Domain Controllers not host IIS?

- A. Licensing issues
- B. Increased attack surface
- C. Disk performance
- D. Backup size

Q28. Which Linux feature enforces Mandatory Access Control?

- A. chmod
- B. sudo
- C. SELinux
- D. cron

Q29. Which Windows service secures credentials in memory?

- A. Defender
- B. BitLocker
- C. Credential Guard
- D. AppLocker

Q30. Which Linux command traces system calls for debugging?

- A. lsof
- B. strace
- C. top
- D. ps

Q31. Why is split tunneling risky in VPN deployments?

- A. High latency
- B. Traffic leakage
- C. Certificate mismatch
- D. Routing loops

Q32. Which Linux file stores encrypted user passwords?

- A. /etc/passwd
- B. /etc/group
- C. /etc/shadow
- D. /etc/profile

Q33. Which Windows feature enables mass OS deployment?

- A. IIS
- B. WDS
- C. NLB
- D. FSRM

Q34. Why are Hyper-V checkpoints not backups?

- A. No compression
- B. Disk consistency risk
- C. No GUI
- D. Network dependency

Q35. Which Linux network configuration tool is deprecated?

- A. nmcli
- B. ifconfig
- C. ip
- D. ss

Q36. Which Windows attack uses forged Kerberos tickets?

- A. Pass-the-Hash
- B. Golden Ticket
- C. NTLM Relay
- D. Brute force

Q37. Which Linux practice improves server hardening?

- A. Root SSH login enabled
- B. Disable unused services

- C. World-writable files
- D. Shared root access

Q38. Which Windows service provides centralized RADIUS authentication?

- A. DHCP
- B. DNS
- C. NPS
- D. IPAM

Q39. Which Linux logging service is used with systemd?

- A. syslog
- B. rsyslog
- C. journald
- D. auditd

Q40. Which enterprise security approach applies to both Linux & Windows?

- A. Antivirus only
- B. Firewall only
- C. Defense-in-depth
- D. Open access