

📖 EASY (10 Questions)

Q1. What is the primary role of an operating system?

- A. Compile programs
- B. Manage hardware and software resources
- C. Design applications
- D. Encrypt data

Q2. Which Windows component abstracts hardware differences for the OS?

- A. Kernel
- B. Device Driver
- C. HAL
- D. Executive

Q3. Which file system is the default for modern Windows installations?

- A. FAT32
- B. exFAT
- C. NTFS
- D. EXT4

Q4. Which Windows edition is designed for large-scale virtualization?

- A. Home
- B. Pro
- C. Standard
- D. Datacenter

Q5. What type of Windows installation removes all existing data?

- A. Upgrade
- B. Migration
- C. Clean installation
- D. Repair installation

Q6. Which tool is used to generalize a Windows installation?

- A. DISM
- B. Sysprep
- C. MDT
- D. WDS

Q7. Which Windows image format is used for deployment?

- A. ISO
- B. IMG
- C. WIM
- D. BIN

Q8. Which firmware is recommended for modern Windows installations?

- A. BIOS

- B. Legacy BIOS
- C. UEFI
- D. CSM

Q9. Which Windows component handles user authentication?

- A. HAL
- B. LSA
- C. I/O Manager
- D. Device Manager

Q10. Which Windows installation method keeps applications and data?

- A. Clean install
- B. Upgrade install
- C. Bare metal install
- D. Custom install

☐ **MEDIUM (15 Questions)**

Q11. In Windows architecture, which mode runs user applications?

- A. Kernel mode
- B. Real mode
- C. User mode
- D. Protected mode

Q12. What is the primary purpose of DISM?

- A. Disk partitioning
- B. User management
- C. Servicing Windows images
- D. Installing drivers online

Q13. Which Windows Server edition allows unlimited virtual machines?

- A. Essentials
- B. Standard
- C. Enterprise
- D. Datacenter

Q14. What happens during the “generalize” phase of Sysprep?

- A. Applications are removed
- B. SID and hardware info are reset
- C. User accounts are deleted
- D. Disk is formatted

Q15. Which partition style supports disks larger than 2 TB?

- A. MBR

- B. GPT
- C. FAT
- D. LVM

Q16. What is the main advantage of image-based deployment?

- A. Manual configuration
- B. Faster and consistent installations
- C. Higher disk usage
- D. Increased downtime

Q17. Which Windows installation method is safest when changing hardware?

- A. Upgrade
- B. Repair
- C. Migration
- D. In-place install

Q18. Which component stores Group Policy templates during deployment?

- A. NTDS.DIT
- B. SYSVOL
- C. Registry
- D. Boot.wim

Q19. Which DISM command mounts an image?

- A. /add-image
- B. /get-wiminfo
- C. /mount-image
- D. /apply-image

Q20. Which Windows setup stage installs device drivers and features?

- A. Boot phase
- B. File copy phase
- C. Specialize phase
- D. OOBE phase

Q21. Which Windows edition supports domain join and BitLocker?

- A. Home
- B. Starter
- C. Pro
- D. Basic

Q22. What is the purpose of a “golden image”?

- A. Backup recovery
- B. Antivirus protection
- C. Standardized OS deployment
- D. Disk encryption

Q23. Which Windows feature enables hardware abstraction for portability?

- A. Registry
- B. HAL
- C. Kernel scheduler
- D. File system driver

Q24. Which deployment tool integrates WDS with task sequencing?

- A. DISM
- B. MDT
- C. Sysprep
- D. USMT

Q25. What is the main risk of in-place OS upgrades in enterprises?

- A. Slower performance
 - B. Application incompatibility
 - C. Larger disk usage
 - D. Increased power consumption
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HARD (15 Questions)

Q26. Which Windows component enforces security policies and access checks?

- A. I/O Manager
- B. Security Reference Monitor
- C. HAL
- D. Win32 subsystem

Q27. Why is migration preferred over upgrade in enterprise servers?

- A. Faster process
- B. Lower cost
- C. Reduced risk and cleaner environment
- D. No hardware dependency

Q28. Which DISM feature enables offline driver injection?

- A. /add-feature
- B. /enable-driver
- C. /add-driver
- D. /update-image

Q29. What is the primary role of the Windows Executive?

- A. Hardware abstraction
- B. User authentication
- C. Resource management services
- D. GUI rendering

Q30. Which Windows boot mode is mandatory for Secure Boot?

- A. Legacy BIOS
- B. CSM
- C. UEFI
- D. PXE

Q31. In large deployments, why is Sysprep mandatory before capturing an image?

- A. To reduce image size
- B. To remove installed applications
- C. To ensure unique SIDs
- D. To encrypt the image

Q32. Which deployment scenario benefits most from image-based installation?

- A. Single home PC
- B. One-time laptop setup
- C. 500-system enterprise rollout
- D. Temporary VM testing

Q33. Which Windows installation phase applies computer-specific settings?

- A. Boot
- B. Specialize
- C. OOBE
- D. Capture

Q34. What happens if multiple systems are deployed without Sysprep?

- A. Faster login
- B. Duplicate SIDs causing security issues
- C. Improved performance
- D. Automatic domain repair

Q35. Which Windows Server feature replaces ImageX?

- A. MDT
- B. WDS
- C. DISM
- D. WinPE

Q36. Which architecture layer directly interacts with physical hardware?

- A. User mode
- B. Executive
- C. HAL
- D. Win32 API

Q37. Why is GPT recommended over MBR in modern Windows deployments?

- A. Better compression
- B. Faster boot only

- C. Larger disk and redundancy support
- D. Lower memory usage

Q38. Which Windows deployment mistake can cause boot failure after installation?

- A. Wrong edition
- B. Legacy/UEFI mismatch
- C. Missing user account
- D. Disabled firewall

Q39. What is the enterprise advantage of separating OS and data partitions?

- A. Faster UI
- B. Easier upgrades and recovery
- C. Reduced RAM usage
- D. Better graphics

Q40. Which Windows installation strategy best supports disaster recovery planning?

- A. Manual installation
- B. In-place upgrade
- C. Standardized image deployment
- D. Local admin configuration