

## QUESTION 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
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## 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