SERVER ADMINISTRATION USING MICROSOFT
(310)

REGIONAL 2020

TOTAL POINTS _____ *(500 points)*

Failure to adhere to any of the following rules will result in disqualification:
1. **Contestant must hand in this test booklet and all printouts. Failure to do so will result in disqualification.**
2. **No equipment, supplies, or materials other than those specified for this event are allowed in the testing area. No previous BPA tests and/or sample tests or facsimile (handwritten, photocopied, or keyed) are allowed in the testing area.**
3. **Electronic devices will be monitored according to ACT standards.**

No more than 60 minutes testing time

Identify the letter of the choice that best completes the statement or answers the question. Mark A if the statement is True. Mark B if the statement is False.

1. You are creating a disc image called Updates. As defined by the International Organization for Standardization, which of the following would the resulting name and extension be?
   a. Updates.iso
   b. Updates.img
   c. Updates.disc
   d. Updates.cd

2. You need to join a computer to the Active Directory domain. What is NOT a valid requirement for joining the computer?
   a. You need a DNS name for the domain to be joined
   b. You must have an authorized user account in the domain
   c. One domain controller and a DNS server that can resolve the domain name must be online.
   d. You must have Internet connectivity and be capable of reaching Microsoft.com

3. You are working with a workstation and suspect corrupted system files are causing issues. What command can be run to search for and replace the corrupted files?
   a. chkdsk /scannow
   b. sfc /scannow
   c. sfc /r
   d. chdsk /r

4. You must assign a problem to someone higher in the support chain. This is called ___.
   a. Ticket logging
   b. Problem escalation
   c. Responsibility passing
   d. Issue resolution

5. What is responsible for getting a system up and going and finding an operating system to load?
   a. Windows Boot Loader
   b. Startup BIOS
   c. Setup BIOS
   d. BootMgr

6. What should be done if a system cannot boot from the hard drive?
   a. Reinstall Windows
   b. Boot from the Windows setup DVD
   c. Run System File Checker
   d. Replace the hard drive

7. Which of the following is used to uniquely identify a computer on a network?
    a. Network ID
    b. ARP address
    c. IP address
    d. Serial number

8. What is the native file system utilized by Windows Server 2016?
    a. ReFS
    b. NTFS
    c. FAT32
    d. Ext3

9. For some brand-name computers, the hard drive contains a partition that can be used to reinstall Windows. What is the name for this partition?
    a. Reinstall partition
    b. Restore partition
    c. Recovery partition
    d. Rebuild partition

10. You need to set a Windows 8 computer to boot into Safe Mode while the operating system is still running. To do this you would use which application?
    a. msconfig.exe
    b. sfc.exe
    c. services.msc
    d. rstrui.exe

11. The computer you are working on is set to dual boot configuration. What screen appears during the boot sequence?
    a. OS select BIOS screen
    b. Secure Boot OS page
    c. Multi-Windows Login screen
    d. Boot loader menu

12. You want to install a 64-bit version of Windows on a computer that already has a 32-bit OS installed. What type of installation should you perform?
    a. Clean install
    b. Dual boot
    c. In-place upgrade
    d. Standard

13. You are attempting to access the BIOS screen of a computer to assess the BIOS's capabilities and to determine the BIOS version. What key is NOT a typical key pressed to enter the BIOS?
    a. F1
    b. F2
    c. Del
    d. Insert

14. What should be entered at a command prompt in order to scan all system files?
    a. msinfo32 /verify
    b. systeminfo /sysfiles
    c. sfc /scannow
    d. chkdsk /r

15. You need to create an unattended answer file for an unattended installation. What utility will you use?
    a. Windows System Image Manager
    b. Windows Automated Answer Generator
    c. Windows Unattended Installation Utility
    d. Windows Deployment Tool

16. The Advanced Boot Options screen can be displayed by pressing which key during the boot sequence?
    a. F4
    b. F8
    c. F10
    d. F12

17. What tool would you use to remove computer identification information from a Microsoft operating system?
    a. SCVMM_cln.exe
    b. Sysprep
    c. System Cleaner
    d. Microsoft Refresh

18. Which of the following handles low-level hardware details?
    a. Ntoskrnl.exe
    b. Smss.exe
    c. Hal.dll
    d. Winlogon.exe

19. You suspect an application required more privileges that the currently logged-on account. What can you do to run the application?
    a. Run the application from the command line using the /highpriority parameter
    b. Download a 64-bit version of the application and try again.
    c. Double-click the application icon while holding down the Home key
    d. Use the Run as administration shortcut menu option

20. What version of Windows Server 2016 does NOT include the Hyper-V role?
    a. Windows Server 2016 Standard
    b. Windows Server 2016 Datacenter
    c. Windows Server 2016 Web
    d. Windows Server 2016 Essentials

21. After installation, how many days do you have to activate Windows 7?
    a. 7 days
    b. 30 days
    c. 45 days
    d. 60 days

22. Which of the following is NOT one of Microsoft's recommendations for creating a computer name?
    a. The maximum length for the name is 64 characters
    b. Shorter names up to 15 characters should be used for easy typing
    c. If no DNS server exists on the network, only standard Internet characters should be used.
    d. If a DNS server is present, standard Internet characters plus special characters such as $, %, &, * and others can be used.

23. What advanced command-line interface serves as a front end for specialized commands, known as cmdlets?
    a. Command Prompt
    b. Windows Bash
    c. PowerShell
    d. Z Shell

24. Registry files on a computer have been deleted. Which of the following folders can you go to restore the registry?
    a. C:\Windows\System32\WinBackup
    b. C:\Windows\System32\Config\RegBack
    c. C:Windows\System32\Config\Hive
    d. C:\Windows\RegBack

25. Once you have formatted a partition and assigned it a drive letter, it should be called a ___.
    a. Partition
    b. Root
    c. Volume
    d. Container

26. If a clean install is performed on a hard drive with a previous installation of Windows and the drive is not re-formatted during the install, where will the files from the old installation be?
    a. System32
    b. Windows
    c. Windows.old
    d. System32.bad

27. The ___ console can be used to enable, disable, start, or stop a service.
    a. msconfig
    b. services.msc
    c. devmanage.msc
    d. taskmgr

28. A major update release on Windows is referred to by what term?
    a. System release
    b. Update pack
    c. Security release
    d. Service pack

29. You need to startup a computer in order to view what did and did not load during the bootup process. Which of the following should you pick on the Advanced Options screen to perform this?
    a. Event Viewer
    b. Boot Logging
    c. Safe Mode with Networking
    d. Windows Boot Manager

30. You can quickly identify a problem with memory or eliminate memory as the source of a problem by using what tool?
    a. Last Known Good Configuration
    b. Event Viewer
    c. Device Manager
    d. Memory Diagnostics

31. What important information is needed if you are installing an OEM version of Windows 7?
    a. Installation code
    b. Receipt of purchase
    c. OEM license
    d. Product key

32. What is an ideal scenario for the installation and use of Windows Server Core?
    a. An organization needs a server that will not be dedicated for a specific function, but will serve multiple functions.
    b. A small business needs a server that will be managed by a novice administrator that fulfills other roles in the company.
    c. A server within an organization will be dedicated to web services and will be accessed via the Internet.
    d. A network administrator requests a server installed with a version of Windows Server capable of configuration through wizards.

33. What is NOT a feature provided by NTFS?
    a. Disk quotas
    b. Encryption
    c. Compression
    d. Snapshots

34. What command can be used to check for file system errors?
    a. System Restore
    b. msconfig
    c. sfc /scannow
    d. chkdsk /r

35. You are attempting to upgrade a Windows Server 2008 R2 server to Windows Server 2016 Standard. What must be done in order to accomplish the upgrade?
    a. The Windows Server 2016 disk provides a direct upgrade path for Server 2008 R2, so no additional steps are required to perform the upgrade.
    b. The server should be updated to the latest service pack for 2008 R2, then upgraded to Server 2012, after which the server can be upgraded to Server 2016.
    c. The server must run a special upgrade while Server 2008 R2 is running, requiring the migration of server roles to the new OS and merging of configuration files.
    d. The server can't be upgraded to Server 2016, as no upgrade path exists. You must perform a clean install.

36. What should you do before any changes are made to a system that is experiencing a problem?
    a. Examine the system
    b. Backup data
    c. Establish a theory
    d. Test your theory

37. You need to install File Transfer Protocol (FTP) service on a Windows Server 2016 server. What role will you need to install?
    a. Web Server (IIS) role
    b. Remote Access role
    c. File and Storage Services role
    d. Network File Access role

38. In order to remove any partition or volume information from a selected disk, what diskpart command should be used?
    a. Format
    b. Select partition
    c. Clean
    d. Create partition primary

39. You are attempting to install Windows Server 2016 on a SCSI based disk drive, but the installation program does not find the disk. What is the most likely cause?
    a. Windows Server 2016 does not support SCSI based hard drives.
    b. Windows Server 2016 requires a driver for working with the SCSI controller
    c. The drive itself is configured as a slave by cable position, rather than master.
    d. The BIOS does not recognize the SCSI controller and has not enabled the device.

40. You have been tasked with ensuring that access to certain server managed resources is only available to client devices with TPM chip and BitLocker file security. What Windows Server role can be installed to automate this check?
    a. Device Health Attestation Services
    b. File and Storage Services
    c. Host Guardian Services
    d. Multipoint Services

41. What is the file name used for an answer file for Windows Vista or Windows Server 2008 or newer?
    a. Answer.txt
    b. Unattend.ini
    c. Unattend.xml
    d. Answer.bat

42. What component of UEFI helps to prevent malware from hijacking a system during or before the operating system load?
    a. Execute Disable Bit
    b. Secure Boot
    c. UEFI Defender
    d. Bootlocker

43. Before installing Windows Server 2016, you need to check the most up-to-date list of compatible hardware available. Where can this list be found?
    a. Microsoft Hardware Compatibility List
    b. Various hardware vendor web pages
    c. Windows Server Catalog website
    d. Windows Hardware Check App

44. What key will cause the Windows Boot Manager to appear as long as it is pressed during the Windows startup process?
    a. F8
    b. Spacebar
    c. F5
    d. Enter

45. What Windows process is responsible for authenticating users?
    a. Lass.exe
    b. Smss.exe
    c. Csrss.exe
    d. Ntoskrnl.exe

46. What is a typical symptom that might indicate the MBR record is damaged?
    a. Loud clicking noise
    b. Invalid partition table error
    c. RAID not found error message
    d. Invalid boot disk error

47. You are working on a fresh install of Windows Server 2016 Core and need to set the date and time. What command can you use to do this?
    a. Datetime
    b. Rundll32,datetime
    c. Control timedate.cpl
    d. Set-Time

48. You need to safeguard information through the use of encryption, user authentication, and security certificates. What Windows Server role can accomplish this?
    a. Active Directory Certificate Services
    b. Active Directory Domain Services
    c. Active Directory Federation Services
    d. Active Directory Rights Management Services

49. When a technician needs to start an image deployment, what version of Windows will be run on the target computer?
    a. Windows 7 Starter
    b. Windows 8 Starter
    c. Windows PE
    d. Windows XP

50. If no domain or workgroup is configured during installation of Windows Server 2016, where is the computer placed?
    a. In a domain called "example.com"
    b. In a workgroup called "Contoso"
    c. In a workgroup called "Workgroup"
    d. In a workgroup that is randomly generated