

# NETWORK ADMINISTRATION USING MICROSOFT® (310)

## REGIONAL – 2018

*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 sixty (60) minutes testing time

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*Workplace Skills Assessment Program* competition.

## MULTIPLE CHOICE

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. The \_\_\_\_\_ command is used to check the connection status to and from your computer.
  - a. ping -t
  - b. netstat -an
  - c. tcpdump
  - d. arp -a
2. After you configure an IP address and subnet mask on a Windows PC, what command would you use to check the configuration and confirm that the IP and subnet is configured correctly?
  - a. ifconfig
  - b. traceroute
  - c. ping
  - d. ipconfig
3. To install IPv6 on your Windows computer, you need to \_\_\_\_\_.
  - a. configure using CLI: ipv6 enable
  - b. access web browser properties to access connections
  - c. configure using CLI: enable ipv6
  - d. open LAN connection properties to access IPv6
4. What is the protocol used to automatically assign or configure an IP address to a client?
  - a. DNS
  - b. DHCP
  - c. ARP
  - d. RIP
5. \_\_\_\_\_ in Windows operating system is made up of: keys, subkeys and values.
  - a. Windows Disk Management
  - b. EFS
  - c. Windows Registry
  - d. NTFS
6. Joe has just installed a new video driver on his computer. He reboots and finds that the picture on the monitor is *not* viewable. He wants to uninstall the new driver but can't see the screen well enough. He should \_\_\_\_\_.
  - a. shutdown the computer and reseal the video card
  - b. boot to safe mode and remove the video driver
  - c. replace the monitor with one that is compatible with the new driver
  - d. boot to registry mode, and remove the video registry entry

7. Windows has a utility to move sectors of data on a hard disk and store it sequentially, thus improving performance. The name of this utility is \_\_\_\_\_.
  - a. regedit
  - b. system restore
  - c. defraggler
  - d. optimize drives
  
8. Which of the following are file and folder permission levels in Windows 10?
  - a. Modify
  - b. Read and Execute
  - c. Write
  - d. All of the above
  
9. The \_\_\_\_\_ file/folder permission allows changing of files or folders but does *not* allow creation of new ones.
  - a. modify
  - b. read & execute
  - c. read
  - d. write
  
10. \_\_\_\_\_ is the primary file system used in Microsoft's Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP, Windows 2000, and Windows NT operating systems.
  - a. Ext3
  - b. Reiser
  - c. NTFS
  - d. exFAT
  
11. You can encrypt a compressed file or folder.
  - a. True
  - b. False
  
12. Windows has an infrastructure directory that is used to store information and objects, such as computers or printers. It is known as \_\_\_\_\_.
  - a. Passive Directory
  - b. User Directory
  - c. Object Directory
  - d. Active Directory
  
13. Margo is working with Jerry over the phone. He is having problems following her directions. Margo could use \_\_\_\_\_, a feature of Windows that allows a person to connect to another user's computer remotely, to provide some help.
  - a. Remote Desk Connection
  - b. Remote Assistance
  - c. Team Viewer
  - d. Windows Snipping Tool

14. The \_\_\_\_\_ feature in Windows 10 allows synchronization of files between a network location and your computer. After synchronizing, these files can be accessed without being connected to the network. The files are called \_\_\_\_\_.
- network Sync, temporary Files
  - network Sync, offline Files
  - sync Center, temporary Files
  - sync Center, offline Files
15. Which of the following is *not* an option for a user account in Windows 10?
- Administrator
  - Guest
  - Root
  - Standard User
16. How do you check if your Windows operating system is running 32-bit or 64-bit?
- Start Button > Right-click on Computer > Select Properties
  - Start Button > Control Panel > System
  - Windows Key + Pause Key
  - All of the above
17. You are asked to find the MAC address of a Windows 10 computer. Which of the below commands should be used within the command prompt?
- ipconfig /all
  - ipconfig -an
  - netstat -an
  - ipconfig
18. A shortcut to a shared folder or Drive on a network is called a \_\_\_\_\_.
- Network Drive
  - Mapped Drive
  - Root Drive
  - Stripped Drive
19. The \_\_\_\_\_ utility is used to remove the unnecessary files from your system such as: device driver packages, system compression, temporary files, thumbnails, and files in the Recycle bin.
- Disk Fragmentation
  - Disk Management
  - Disk Remover
  - Disk Cleanup
20. Decreasing the file and folder size without affecting its contents is known as \_\_\_\_\_. It helps in saving some storage space.
- encoding
  - compression
  - encryption
  - authentication

21. Which of the below are Windows service startup types?
  - a. Automatic (Delayed start)
  - b. Manual
  - c. Disabled
  - d. All of the above
  
22. \_\_\_\_\_ is a security feature in Windows that will monitor activity on your computer for any changes relating to Security or to user accounts and notifies you about the change to take place.
  - a. SAP
  - b. CHAP
  - c. UAC
  - d. AAA
  
23. Each tool in the Windows Control Panel is called a(n) \_\_\_\_\_.
  - a. tablet
  - b. chicklet
  - c. snippet
  - d. applet
  
24. You would verify/set the following user account control setting if you wanted to make sure that users get an alert every time a program makes a change to their computer.
  - a. Always notify me
  - b. Notify me only when programs try to make changes to my computer
  - c. Never notify me
  - d. None of these will work
  
25. In Windows operating systems, an icon or a link that provides access to some original program or resource is known as \_\_\_\_\_.
  - a. cursor
  - b. panel
  - c. shortcut
  - d. alias
  
26. Which of the following server roles is *not* available in a Windows Server 2008 server core installation?
  - a. Print Services
  - b. Hyper-V
  - c. DHCP
  - d. Active Directory Certificate Services
  
27. What is the default way to configure shares in Windows Server 2008 servers?
  - a. File Availability Wizard
  - b. Sharing Wizard
  - c. Sharing Properties
  - d. Network File Wizard

28. What must be added to a Windows Server to support web-based print serving?
  - a. Internet Printing
  - b. Apache Printing
  - c. IIS Printing
  - d. Internet Printing Client
  
29. Which of the following is *not* a way to open the Start menu on a Windows-based computer?
  - a. Ctrl + S
  - b. Ctrl + Esc
  - c. Click the Start button
  - d. Press the Start key on the keyboard
  
30. Which file extension is used for files that execute multiple commands from within a Windows command prompt?
  - a. .cmd
  - b. .bat
  - c. .exe
  - d. .scexe
  
31. Martha has a networked printer attached to her workstation via USB cable. When her computer is off, which of the following is *true*?
  - a. Other users will be able to print to the printer with no problems.
  - b. Other users need to turn the printer on, and then they can print with no problems.
  - c. Other users should map it as a network printer, and then they can print with no problems.
  - d. Other users will not be able to print.
  
32. You have shared a folder with Dina, another user on your network. What share permissions should you give her if you want her to be able to edit a file, but not give access to others?
  - a. Full control
  - b. Modify
  - c. Edit
  - d. Read
  
33. You want to share files among six computers, all running Windows. You do *not* want to have to create user accounts of each user on all six computers. Which tool should you use?
  - a. Workgroup
  - b. Homegroup
  - c. Client-server
  - d. Ad hoc network

34. You want to reconnect to a shared folder on a server every time your laptop restarts. What do you need to configure?
- DAS
  - NAS
  - Network drive
  - Cloud storage
35. Users on a network are complaining that they can't access web servers. External email is coming through fine, and someone was able to access a secure web server. Which port was *most* likely accidentally blocked on the firewall?
- 20
  - 21
  - 80
  - 443
36. You check the IP address of your PC and see an IP address of 169.254.24.24. Where does this IP come from?
- NetBIOS
  - DHCP
  - APIPA
  - WINS
37. You need to compress a file on a Windows computer. How do you accomplish this?
- On command prompt: compress file
  - Right click on the file and select Compress
  - Right click on the file, select Compress Tab and choose Compress this file
  - Right click on the file, go to Properties, select General Tab, click the Advanced button and select "Compress contents to save disk Space"
38. What is the minimum RAM requirement for running a Windows 7 64-bit Operating System?
- 512 MB
  - 1 GB
  - 2 GB
  - 4GB
39. Your friend wants to know if there is a GUI tool for managing basic server roles and features that she can use to install roles, manage roles, and remove roles. Which tool allows for this?
- Performance Monitor
  - Server Manager
  - Telnet
  - Hyper-V

40. When a system is configured to allow booting to different operating systems at startup, what is this called?
- Virtualization
  - Clean install
  - Upgrade install
  - Dual-boot
41. You are setting up RAID (redundant array of independent disks) on a new server that you want to have excellent performance. Fault tolerance is *not* a concern. Which RAID would you choose?
- RAID 0
  - RAID 3
  - RAID 5
  - RAID 1+0
42. What wizard is used to install and remove Active Directory Domain Services (AD DS)?
- Computer Properties
  - Add Roles Wizard
  - DCPROMO
  - Server Manager
43. Which of the following virtualization products uses a bare metal implementation?
- Virtual PC 2007
  - Windows Virtual PC
  - Hyper-V
  - Virtual Server 2005 R2
44. \_\_\_\_\_ is a process by which a hard disk section or a complete hard disk is prepared for use by an operating system.
- Creating a partition
  - Mounting a disk
  - Disk compression
  - Segmenting a disk
45. Martin is formatting a disk, dividing the disk into small sections for the storage of files by a particular file system and asks you what the sections are called. What should you tell him?
- Block
  - Sections
  - Partitions
  - Sectors



46. Prior to Windows Server 2008, a damaged disk area meant that you had to take down the server and then bring it back up offline for users to run the \_\_\_\_\_ utility that rebuilt the data in the damaged area.
- chkdsk
  - repair disk
  - dskutil
  - wdsutil
47. When installing Windows Server 2008, you can specify a domain or workgroup on the \_\_\_\_\_ window that is displayed when the computer reboots after the actual installation process is completed.
- initial Configuration Tasks
  - BIOS
  - setup Tasks
  - management Options
48. What allows you to have folders shared from multiple computers appear as though they exist in one centralized hierarchy of folders?
- CFS
  - DFS
  - HFS
  - RFS
49. What role should be installed within Windows Server 2008 to manage network printing services and offer network printers managed?
- Print Services
  - Directory Services
  - WDS
  - File Services
50. A \_\_\_\_\_ is a stack of print jobs that are spooled to the printer.
- print stack
  - print queue
  - print deck
  - print block