Contestant Number:

Time:

Rank:

**NETWORK ADMINISTRATION**

**USING MICROSOFT®**

**(310)**

**REGIONAL – 2016**

**Multiple Choice:**

Multiple Choice (50 @ 10 points each) (500 points)

***TOTAL POINTS \_\_\_\_\_\_\_\_\_\_\_ (500)***

**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

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*Workplace Skills Assessment Program* competition.

**Identify the letter of the choice that best completes the statement or answers the question.**

1. Which edition of Windows 8.1 is most commonly used in the Corporate sector?
   1. Home
   2. Professional
   3. Ultimate
   4. Enterprise
2. Which of the following is a server role for Windows Server 2008 or Windows Server 2008 R2 that allows for mostly automated installation of Windows over a network?
   1. Windows Automated Installation Kit
   2. ImageX
   3. Windows Deployment Services
   4. Windows Pre-Installation Environment (WinPE)
3. Windows 8 Professional includes all of the following features *except*:
   1. Windows XP Mode
   2. BitLocker
   3. Support for joining domains
   4. Remote Desktop Connection
4. Which of the following creates a MIG File?
   1. A custom installation
   2. An upgrade installation
   3. Windows Easy Transfer
   4. None of the above
5. Which tool scans your computer and produces a report of any Windows compatibility issues with your computer?
   1. Windows Upgrade Advisor
   2. Windows Easy Transfer
   3. Windows Compatibility Center
   4. Windows Anytime Upgrade
6. To use Windows Anytime Upgrade to perform an in-place upgrade, what must you buy from Microsoft or your preferred retailer?
   1. An upgrade key
   2. A full version of Windows 7
   3. An upgrade version of Windows 7
   4. Nothing
7. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the *primary* duty that a server provides.
   1. Server role
   2. Server feature
   3. Server task
   4. Server objective

1. Which of the following is *not* a primary subsystem for a server?
   1. Processor
   2. Video
   3. Storage
   4. Network
2. What is considered the short-term memory used by the computer that is erased when the computer is shut down or rebooted?
   1. RAM
   2. Flash Memory
   3. Hard Drive
   4. CMOS Memory
3. Where would you find the instructions that a server uses to boot and includes POST and finding a drive to complete the boot process?
   1. Hard drive
   2. RAM
   3. Firmware
   4. USB Flash Drive
4. How many connectors does an RJ-45 connector have?
   1. 4
   2. 5
   3. 8
   4. 9
5. Most keyboards and mice today use what type of port?
   1. PS/2
   2. Serial
   3. Min-Din
   4. USB
6. What type of server installation method provides a minimal environment with *no* Windows Explorer shell and *no* Start button?
   1. Striped computer
   2. MinWin Computer
   3. Windows BareBone
   4. Server Core
7. What is the minimum amount of RAM needed to install Windows Server 2008 R2?
   1. 256 MB
   2. 512 MB
   3. 1 GB
   4. 2 GB
8. What is the maximum amount of RAM supported by the Windows Server 2008 R2 64-bit Standard Edition?
   1. 4 GB
   2. 8 GB
   3. 32 GB
   4. 64 GB
9. Which of the following *cannot* be upgraded to Windows Server 2008 R2 Enterprise Edition?
   1. Windows Server 2008 Standard Edition 64-bit
   2. Windows Server 2008 Enterprise Edition 32-bit
   3. Windows Server 2008 R2 Standard Edition
   4. Windows Server 2003 R2 Enterprise Edition 64-bit
10. What program should you run if you decide to clone a hard drive of Windows Server 2008 R2?
    1. Sysinfo
    2. Sysconf
    3. Sysprep
    4. Format
11. What type of installation requires little interaction?
    1. Unattended installation
    2. Pre-build installation
    3. Deployment installation
    4. Hands-off installation
12. What technology allows you to perform network-based unattended installation of Windows operating systems, including Windows Server 2008 R2?
    1. WDS
    2. RIS
    3. SMB
    4. HTTP
13. What format are the Windows Server Installation files stored in when using WDS?
    1. GHO
    2. Wim
    3. PXE
    4. RIS
14. To make sure that your computer is stable and secure, you should \_\_\_\_\_\_\_\_ Windows after a new installation.
    1. update
    2. activate
    3. consolidate
    4. flash
15. A(n) \_\_\_\_\_\_\_\_ is when you install Windows and applications to a new drive with nothing on it.
    1. Upgrade installation
    2. Clean installation
    3. Future installation
    4. Bad installation
16. Updating the BIOS is known as \_\_\_\_\_\_\_\_ the BIOS.
    1. replacing
    2. installing
    3. updating
    4. flashing
17. The \_\_\_\_\_\_\_\_ allows the processor to connect to or communicate with every other device within the server.
    1. RAM
    2. Processor
    3. Motherboard
    4. Video
18. A \_\_\_\_\_\_\_\_ is a computer meant to be a dedicated service provider.
    1. Computer
    2. Processor
    3. Server
    4. Network
19. What model is used to describe how data communication occurs between hosts?
    1. Server-centric model
    2. Workgroup model
    3. Peer-to-peer model
    4. OSI reference model
20. Which protocol do you use as the transport protocol for a video application?
    1. TCP
    2. UDP
    3. FTP
    4. RDC
21. Which port categories include inbound ports of HTTP, HTTPS, FTP, and DNS?
    1. Well-known ports
    2. Registered ports
    3. Dynamic ports
    4. Private ports
22. Which layer of the OSI model is responsible for logging on and off?
    1. Physical
    2. Session
    3. Application
    4. Presentation
23. How many layers does the OSI Model have?
    1. 4
    2. 5
    3. 6
    4. 7
24. How many layers does the TCP/IP Model have?
    1. 3
    2. 4
    3. 5
    4. 6
25. Which layer of the OSI Model is *not* included in the TCP/IP Model?
    1. Physical
    2. Data Link
    3. Transport
    4. Application
26. Which protocol is used to translate IP addresses to MAC addresses?
    1. RARP
    2. ARP
    3. DNS
    4. WINS
27. What technology can you use temporarily to connect networks from two different companies?
    1. VPN
    2. HTTP
    3. DHCP
    4. Passive router
28. What type of device is used to detect malicious network activities and reports only those issues to the administrator?
    1. NIDS
    2. NIPS
    3. Internet content filter
    4. NAT Server
29. Which port does the HTTP protocol use?
    1. 443
    2. 20
    3. 53
    4. 80
30. The \_\_\_\_\_\_\_\_ is the largest WAN in the world.
    1. Intranet
    2. Internet
    3. VPN
    4. Private Network
31. What protocol automatically configures IP configuration for a client?
    1. DNS
    2. DHCP
    3. WINS
    4. FTP
32. The primary program to configure the Windows environment is \_\_\_\_\_\_\_\_.
    1. Computer Management Console
    2. Control Panel
    3. Server Manager
    4. Registry Editor
33. What program or component helps prevent unauthorized changes in Windows?
    1. SysConf
    2. SysInfo
    3. User Account Control
    4. Security Monitor
34. Which Control Panel applet allows you to change the name of a computer or add the computer to a Domain?
    1. System
    2. Reset
    3. Format
    4. Computer
35. What type of environment has each computer keep its own security database?
    1. Workgroup
    2. Domain
    3. Conglomerate
    4. Association
36. What program allows you to view and interact with a user’s session while a user is showing an error?
    1. Remote Desktop
    2. Remote Assistance
    3. Control Panel
    4. SysInfo
37. What program is *usually* used to connect to a computer remotely?
    1. Remote Desktop
    2. Offline Assistance
    3. Control Panel
    4. SysInfo
38. In Windows Server 2008 R2, where would you configure the IPv4 configuration?
    1. Network and Sharing Center
    2. SysInfo
    3. SysConf
    4. System Properties of the Control Panel
39. Servers often have \_\_\_\_\_\_\_\_ IP addresses.
    1. static
    2. dynamic
    3. rotating
    4. multiple
40. Which of the following is used as a signal sent by a device to get the attention of the processor?
    1. DMS
    2. IRQ
    3. I/P port address
    4. Memory address range
41. Which of the following is *true* about drivers and 64-bit versions of Windows Server 2008?
    1. Drivers must be digitally signed
    2. Drivers must be registered by the PnP Society
    3. Drivers must include 32-bit and 64-bit support
    4. Drivers must be multilingual
42. What program would you use to install printers in Windows Server 2008 R2?
    1. Device Manager
    2. Computer Management Console
    3. Devices and Printers
    4. Print Manager
43. What program would you use to configure IRQs or DMAs for a device?
    1. Device Manager
    2. Computer Management Console
    3. Devices and Printers
    4. Device Installer