

# 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?
  - a. Home
  - b. Professional
  - c. Ultimate
  - d. 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?
  - a. Windows Automated Installation Kit
  - b. ImageX
  - c. Windows Deployment Services
  - d. Windows Pre-Installation Environment (WinPE)
  
3. Windows 8 Professional includes all of the following features *except*:
  - a. Windows XP Mode
  - b. BitLocker
  - c. Support for joining domains
  - d. Remote Desktop Connection
  
4. Which of the following creates a MIG File?
  - a. A custom installation
  - b. An upgrade installation
  - c. Windows Easy Transfer
  - d. None of the above
  
5. Which tool scans your computer and produces a report of any Windows compatibility issues with your computer?
  - a. Windows Upgrade Advisor
  - b. Windows Easy Transfer
  - c. Windows Compatibility Center
  - d. 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?
  - a. An upgrade key
  - b. A full version of Windows 7
  - c. An upgrade version of Windows 7
  - d. Nothing
  
7. A \_\_\_\_\_ is the *primary* duty that a server provides.
  - a. Server role
  - b. Server feature
  - c. Server task
  - d. Server objective
  
8. Which of the following is *not* a primary subsystem for a server?
  - a. Processor
  - b. Video
  - c. Storage
  - d. Network
  
9. What is considered the short-term memory used by the computer that is erased when the computer is shut down or rebooted?
  - a. RAM
  - b. Flash Memory
  - c. Hard Drive
  - d. CMOS Memory
  
10. Where would you find the instructions that a server uses to boot and includes POST and finding a drive to complete the boot process?
  - a. Hard drive
  - b. RAM
  - c. Firmware
  - d. USB Flash Drive
  
11. How many connectors does an RJ-45 connector have?
  - a. 4
  - b. 5
  - c. 8
  - d. 9
  
12. Most keyboards and mice today use what type of port?
  - a. PS/2
  - b. Serial
  - c. Min-Din
  - d. USB

13. What type of server installation method provides a minimal environment with *no* Windows Explorer shell and *no* Start button?
  - a. Striped computer
  - b. MinWin Computer
  - c. Windows BareBone
  - d. Server Core
  
14. What is the minimum amount of RAM needed to install Windows Server 2008 R2?
  - a. 256 MB
  - b. 512 MB
  - c. 1 GB
  - d. 2 GB
  
15. What is the maximum amount of RAM supported by the Windows Server 2008 R2 64-bit Standard Edition?
  - a. 4 GB
  - b. 8 GB
  - c. 32 GB
  - d. 64 GB
  
16. Which of the following *cannot* be upgraded to Windows Server 2008 R2 Enterprise Edition?
  - a. Windows Server 2008 Standard Edition 64-bit
  - b. Windows Server 2008 Enterprise Edition 32-bit
  - c. Windows Server 2008 R2 Standard Edition
  - d. Windows Server 2003 R2 Enterprise Edition 64-bit
  
17. What program should you run if you decide to clone a hard drive of Windows Server 2008 R2?
  - a. Sysinfo
  - b. Sysconf
  - c. Sysprep
  - d. Format
  
18. What type of installation requires little interaction?
  - a. Unattended installation
  - b. Pre-build installation
  - c. Deployment installation
  - d. Hands-off installation

19. What technology allows you to perform network-based unattended installation of Windows operating systems, including Windows Server 2008 R2?
- WDS
  - RIS
  - SMB
  - HTTP
20. What format are the Windows Server Installation files stored in when using WDS?
- GHO
  - Wim
  - PXE
  - RIS
21. To make sure that your computer is stable and secure, you should \_\_\_\_\_ Windows after a new installation.
- update
  - activate
  - consolidate
  - flash
22. A(n) \_\_\_\_\_ is when you install Windows and applications to a new drive with nothing on it.
- Upgrade installation
  - Clean installation
  - Future installation
  - Bad installation
23. Updating the BIOS is known as \_\_\_\_\_ the BIOS.
- replacing
  - installing
  - updating
  - flashing
24. The \_\_\_\_\_ allows the processor to connect to or communicate with every other device within the server.
- RAM
  - Processor
  - Motherboard
  - Video

25. A \_\_\_\_\_ is a computer meant to be a dedicated service provider.
- Computer
  - Processor
  - Server
  - Network
26. What model is used to describe how data communication occurs between hosts?
- Server-centric model
  - Workgroup model
  - Peer-to-peer model
  - OSI reference model
27. Which protocol do you use as the transport protocol for a video application?
- TCP
  - UDP
  - FTP
  - RDC
28. Which port categories include inbound ports of HTTP, HTTPS, FTP, and DNS?
- Well-known ports
  - Registered ports
  - Dynamic ports
  - Private ports
29. Which layer of the OSI model is responsible for logging on and off?
- Physical
  - Session
  - Application
  - Presentation
30. How many layers does the OSI Model have?
- 4
  - 5
  - 6
  - 7
31. How many layers does the TCP/IP Model have?
- 3
  - 4
  - 5
  - 6

32. Which layer of the OSI Model is *not* included in the TCP/IP Model?
- Physical
  - Data Link
  - Transport
  - Application
33. Which protocol is used to translate IP addresses to MAC addresses?
- RARP
  - ARP
  - DNS
  - WINS
34. What technology can you use temporarily to connect networks from two different companies?
- VPN
  - HTTP
  - DHCP
  - Passive router
35. What type of device is used to detect malicious network activities and reports only those issues to the administrator?
- NIDS
  - NIPS
  - Internet content filter
  - NAT Server
36. Which port does the HTTP protocol use?
- 443
  - 20
  - 53
  - 80
37. The \_\_\_\_\_ is the largest WAN in the world.
- Intranet
  - Internet
  - VPN
  - Private Network
38. What protocol automatically configures IP configuration for a client?
- DNS
  - DHCP
  - WINS
  - FTP

39. The primary program to configure the Windows environment is \_\_\_\_\_.
- Computer Management Console
  - Control Panel
  - Server Manager
  - Registry Editor
40. What program or component helps prevent unauthorized changes in Windows?
- SysConf
  - SysInfo
  - User Account Control
  - Security Monitor
41. Which Control Panel applet allows you to change the name of a computer or add the computer to a Domain?
- System
  - Reset
  - Format
  - Computer
42. What type of environment has each computer keep its own security database?
- Workgroup
  - Domain
  - Conglomerate
  - Association
43. What program allows you to view and interact with a user's session while a user is showing an error?
- Remote Desktop
  - Remote Assistance
  - Control Panel
  - SysInfo
44. What program is *usually* used to connect to a computer remotely?
- Remote Desktop
  - Offline Assistance
  - Control Panel
  - SysInfo



45. In Windows Server 2008 R2, where would you configure the IPv4 configuration?
- Network and Sharing Center
  - SysInfo
  - SysConf
  - System Properties of the Control Panel
46. Servers often have \_\_\_\_\_ IP addresses.
- static
  - dynamic
  - rotating
  - multiple
47. Which of the following is used as a signal sent by a device to get the attention of the processor?
- DMS
  - IRQ
  - I/P port address
  - Memory address range
48. Which of the following is *true* about drivers and 64-bit versions of Windows Server 2008?
- Drivers must be digitally signed
  - Drivers must be registered by the PnP Society
  - Drivers must include 32-bit and 64-bit support
  - Drivers must be multilingual
49. What program would you use to install printers in Windows Server 2008 R2?
- Device Manager
  - Computer Management Console
  - Devices and Printers
  - Print Manager
50. What program would you use to configure IRQs or DMAs for a device?
- Device Manager
  - Computer Management Console
  - Devices and Printers
  - Device Installer