Contestant Number:

 Time:

 Rank:

**NETWORK ADMINISTRATION**

**USING MICROSOFT®**

**(310)**

**REGIONAL 2015**

**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.

**Multiple Choice.** **Answer the following questions on the Scantron form provided**. **Write your contestant name along with your contestant number on the Scantron form.**

**If you finish before the end of the 60 minutes testing, notify the proctor. Time may be a factor in determining the winner in the event of a tie.**

1. A single \_\_\_\_ in Windows represents a collection of data, files, and instructions with a specific purpose while it is running.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | command | c. | thread |
| b. | process | d. | order |

2. \_\_\_\_systems have more than one physical CPU.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Multiprocessor | c. | Hyper-Threading |
| b. | Multitasking | d. | Multi-Core |

3. \_\_\_\_ CPUs have extra hardware built in to allow more than one thread to be processed at the same time on a single CPU.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Multi-Core | c. | Hyper-Threading |
| b. | Multitasking | d. | Preemptive |

4. \_\_\_\_ is a limited and non-GUI version of Windows based on Windows 7 technologies that can be used for installing, troubleshooting, and repairing Windows 7.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Windows PE | c. | USMT |
| b. | WAIK | d. | ImageX |

5. The \_\_\_\_ installation method is the least suitable method for a large volume of computers.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | distribution share | c. | local share |
| b. | image-based | d. | DVD boot |

6. An \_\_\_\_ installation requires you to manually start and perform the installation.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | automated | c. | attended |
| b. | atomic | d. | unattended |

7. \_\_\_\_ are software packages containing drivers, service packs, or security updates that are applied to an image during the offlineServicing configuration pass of the installation.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Configuration sets | c. | Image sets |
| b. | Distribution shares | d. | Offline updates |

8. \_\_\_\_ is included as part of the WAIK to create, modify, and apply workstation images.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | WDF | c. | ImageX |
| b. | WIF | d. | USMT |

9. When you are using ImageX to deploy images with operating systems and applications, you must boot using \_\_\_\_ and connect to the distribution share holding the image file.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | USTM | c. | WindowsPE |
| b. | WDF | d. | APIC |

10. Windows 7 requires \_\_\_\_ to manage and communicate with hardware components.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | dependency devices | c. | signing devices |
| b. | device drivers | d. | PCI |

11. The \_\_\_\_ is the number of pixels that are displayed on your monitor or LCD panel. A pixel is a single dot on the screen.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | color depth | c. | pixel depth |
| b. | color scheme | d. | screen resolution |

12. Each kind of object in Active Directory is defined through the \_\_\_\_, which is like a small database of information associated with that object, including the object class and its attributes.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | forest | c. | schema |
| b. | template | d. | dimension |
|  |  |  |  |

 13. A \_\_\_\_ contains one or more domains that are in a common relationship.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | forest | c. | tree |
| b. | root | d. | branch |

14. A \_\_\_\_ is a TCP/IP-based concept (container) within Active Directory that is linked to IP subnets.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | forest | c. | site |
| b. | domain | d. | tree |
|  |  |  |  |

15. In an Active Directory context in which there are multiple hierarchies of domains, trees, and forests, \_\_\_\_ provide a means to span domains and trees.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | domain security groups | c. | global security groups |
| b. | domain local groups | d. | universal security groups |

16. A \_\_\_\_ is different from normal DCs in that you cannot use it to update information in Active Directory and it does not replicate to regular DCs.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Restricted Domain Controller | c. | Read-Only Domain Controller |
| b. | Limited Access Domain Controller | d. | Replication-Limited Domain Controller |

17. \_\_\_\_ disk storage provides a simple means to logically organize disk space.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Advanced | c. | Basic |
| b. | Dynamic | d. | Smart |
|  |  |  |  |

18. Each primary partition that is formatted with a file system can be represented in the operating system by a \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | drive letter | c. | sector |
| b. | partition table | d. | Track |

19. A \_\_\_\_ allows the operating system to store and organize files on a hard disk.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | sector | c. | boot sector |
| b. | file system | d. | master boot table |

20. Three different versions of FAT exist: FAT12, FAT16, and \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | FAT18 | c. | FAT32 |
| b. | FAT24 | d. | FAT48 |

21. The \_\_\_\_ is the most important NTFS system file because it is a relational database that provides the starting point for accessing any file on the NTFS partition.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | UDF | c. | CDFS |
| b. | MFT | d. | AFS |

22. The ACL is a collection of \_\_\_\_ that identify a specific security identifier (that is, who) can perform a given action (that is, what) to a file or folder.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Access Control Entries (ACE) | c. | Access Entries Keys (AEK) |
| b. | Digital Certificates | d. | Digital Control Entries (DCE) |

23. \_\_\_\_ NTFS permissions exist to fine-tune access and control for files and folders.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Individual | c. | Complex |
| b. | Single | d. | Standard |

24. \_\_\_\_ are required for individuals to log on to Windows 7 and use resources on the computer.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Public keys | c. | User accounts |
| b. | IP addresses | d. | Digital certificates |

25. \_\_\_\_ protects your computer from viruses and spyware that may attempt to steal your password.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Fast use switching | c. | Windows Welcome |
| b. | Secure logon | d. | Manual logon |
|  |  |  |  |

26. Holding down the \_\_\_\_ key during the boot process stops the automatic logon from occurring.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Shift | c. | Alt |
| b. | Ctrl | d. | Esc |

27. The \_\_\_\_ account has extremely limited access to resources and computer activities and is intended for occasional use by low-security users.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Root | c. | Administrator |
| b. | Guest | d. | User |

28. The \_\_\_\_ applet in Control Panel is a simplified interface for user management.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Privileges | c. | User Accounts |
| b. | Permissions | d. | Accounts |

29. A(n) \_\_\_\_ computer is one that has outdated antivirus signatures or is missing security updates.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | unhealthy | c. | safe |
| b. | healthy | d. | Authorized |

30. Windows 7 includes a(n) \_\_\_\_ policy, which can be used to control many facets of Windows.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | NAP | c. | EFS security |
| b. | Local security | d. | Remote |

31. The local security policy is part of a larger Windows management system called \_\_\_\_, which can be implemented on a local computer, but is typically part of a domain-based network.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Group Policy | c. | Network Policy |
| b. | Local Policy | d. | Domain Policy |

32. A \_\_\_\_ rule condition identifies software by file location. You can specify a single file or a folder path from which software can be run.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | network zone | c. | hash |
| b. | path | d. | certificate |

33. Audit \_\_\_\_ tracks when tasks are performed that require a user rights assignment, such as changing the system time.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | logon events | c. | privilege use |
| b. | account management | d. | process tracking |
|  |  |  |  |

34. Newer Windows applications use an application \_\_\_\_ to describe the structure of an application.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | manifest | c. | record |
| b. | log | d. | hash |

35. \_\_\_\_ requires that a printer be connected directly to a Windows 7 computer by using a parallel cable or USB cable.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Local printing | c. | Network printing |
| b. | Space printing | d. | Online printing |

36. XPS uses a subset of the commands available in \_\_\_\_ to render documents.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | PDF | c. | PS |
| b. | WPF | d. | PLC |

37. \_\_\_\_ allows Windows 7 to use flash memory embedded directly in hard disks.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Windows SuperFetch | c. | Windows ReadyBoost |
| b. | Low-priority I/O | d. | Windows ReadyDrive |

38. The \_\_\_\_ area of the Performance Monitor is used to monitor network performance and determine whether the network subsystem is a bottleneck.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Network | c. | Disk |
| b. | CPU | d. | Memory |

39. \_\_\_\_ are used to process log file data and display it in a meaningful way.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Counters | c. | Reports |
| b. | Data Managers | d. | Data Collector Sets |

40. The base score is determined by the \_\_\_\_ subscore.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | highest | c. | median |
| b. | lowest | d. | average |

41. An application’s view of the operating system is restricted to those methods and services exposed by the different \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | environment subsystems | c. | executive services |
| b. | kernel services | d. | environment services |

42. The owner of the registry keys is usually listed as \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | ADMIN | c. | CONTROLLER |
| b. | OWNER | d. | SYSTEM |
|  |  |  |  |

43. The \_\_\_\_ is designed to make it easy for home users to adjust their legacy applications to work with Windows 7 without having to know a lot about compatibility settings.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | CompatAssist.exe | c. | Program Compatibility Assistant |
| b. | REGEDIT.EXE | d. | REG.EXE |

44. \_\_\_\_ is a system whereby applications modify the core functionality of the Windows operating system to obtain low level access to the operating system and its resources.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Program Compatibility Settings | c. | Program Compatibility Assistant |
| b. | Kernel Patching | d. | Program Compatibility Wizard |

45. The \_\_\_\_ utility is an MMC-based utility used to manage several key systems and operations for a computer.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Problem Reports and Solutions | c. | System Information |
| b. | Computer Management | d. | Help and Support |

46. The \_\_\_\_ console presents controls and reports the state of installed services that can be managed from this user interface.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Event Viewer | c. | Device Manager |
| b. | Disk Management | d. | Services |

47. A(n) \_\_\_\_ is defined by IP subnets.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Active Directory controller | c. | Active Directory DNS |
| b. | Active Directory site | d. | Active Directory OU |

48. \_\_\_\_ is used to encrypt and authenticate network traffic.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | 802.1X | c. | DHCP |
| b. | IPsec | d. | DNS |

49. Windows 7 can control the dialing process based on where a user and computer are physically located by using \_\_\_\_.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | certificates | c. | usernames |
| b. | dialing profiles | d. | private keys |

50. The \_\_\_\_ protocol is designed to carry remote control session data efficiently and securely between the client and server involved in a remote control session.

|  |  |  |  |
| --- | --- | --- | --- |
| a. | PPP | c. | PPTP |
| b. | RDP | d. | L2TP |