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| *Indicate whether the statement is true or false.* |

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| 1. ​The Disk Management snap-in can be utilized to create redundant disk configurations, such as RAID 1 and RAID 5.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 2. The Line Printer Daemon role service provides print compatibility with Linux / UNIX clients.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 3. ​When installing Windows Server 2012 R2 Essentials Edition, the server is automatically configured as a root domain controller.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 4. The Foundation Edition of Windows Server 2012, although limited, supports Hyper-V, and can be installed within a virtual machine.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 5. The TCP/IPv4 protocol suite is the newest set of networking protocols installed on Windows Server 2012.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| *Indicate the answer choice that best completes the statement or answers the question.* |

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| 6. ​What file system below does not support encryption, file based compression, and disk quotas, but does support extremely large volume sizes?   |  |  |  | | --- | --- | --- | |  | a. | ​NTFS | |  | b. | ​FAT16 | |  | c. | ​FAT32 | |  | d. | ​ReFS | |

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| 7. ​What is the maximum number of virtual processors supported by Hyper-V 3.0?   |  |  |  | | --- | --- | --- | |  | a. | ​8 | |  | b. | ​16 | |  | c. | ​32 | |  | d. | ​64 | |

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| 8. Select below the term used to describe the virtualization software component that creates and monitors the virtual hardware environment.   |  |  |  | | --- | --- | --- | |  | a. | ​Host computer | |  | b. | ​Host OS | |  | c. | ​Hypervisor | |  | d. | ​Virtual machine | |

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| 9. Which of the following choices is not a service supported by Windows 8.1?​   |  |  |  | | --- | --- | --- | |  | a. | ​Hyper-V | |  | b. | ​File and Printer Sharing | |  | c. | ​FTP Server | |  | d. | ​DHCP Server | |

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| 10. An organization must possess which of the following items in order to legally facilitate user logins?   |  |  |  | | --- | --- | --- | |  | a. | ​User Access License (UAL) | |  | b. | ​Server Access License (SAL) | |  | c. | ​Client Access License (CAL) | |  | d. | ​Personal Access License (PAL) | |

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| 11. ​Dropbox, SkyDrive, and Google Apps are all examples of what type of computing?   |  |  |  | | --- | --- | --- | |  | a. | ​Public cloud | |  | b. | ​Private cloud | |  | c. | Domain | |  | d. | ​Open cloud | |

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| 12. ​The DirectAccess service is installed when which of the following roles are added to a Windows Server 2012 R2 installation?   |  |  |  | | --- | --- | --- | |  | a. | ​Network Policy and Access Services | |  | b. | ​Remote Access | |  | c. | ​Hyper-V | |  | d. | ​File and Storage Services | |

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| 13. Which Windows Server 2012 R2 role provides automatic IP address assignment and configuration for client computers?   |  |  |  | | --- | --- | --- | |  | a. | ​AD CS | |  | b. | ​AD DS | |  | c. | ​DHCP | |  | d. | ​DNS | |

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| 14. ​What service uses a private cloud in conjunction with a web browser or downloaded client software to access desktop software?   |  |  |  | | --- | --- | --- | |  | a. | ​DaaS | |  | b. | Remote Desktop | |  | c. | IaaS | |  | d. | ​Virtual Desktop Infrastructure | |

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| 15. ​A workgroup model is recommended for networks of what size?   |  |  |  | | --- | --- | --- | |  | a. | ​10 computers or more | |  | b. | ​10 computers or less | |  | c. | ​100 computers or more | |  | d. | ​100 computers or less | |

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| 16. How much RAM can be installed in either Datacenter or Standard editions of Windows Server 2012?   |  |  |  | | --- | --- | --- | |  | a. | ​16 GB | |  | b. | ​32 GB | |  | c. | 4 TB | |  | d. | ​8 TB | |

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| 17. ​What edition of Windows Server 2012 R2 can have up to 4 TB of RAM, and function as a virtualization host with unlimited virtual instances?   |  |  |  | | --- | --- | --- | |  | a. | ​Foundation | |  | b. | ​Datacenter | |  | c. | ​Essentials | |  | d. | ​Standard | |

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| 18. ​Which version of Windows Server 2012 is available through OEMs only, and is limited to a maximum of 15 users?   |  |  |  | | --- | --- | --- | |  | a. | ​Foundation Edition | |  | b. | ​Essentials Edition | |  | c. | ​Datacenter | |  | d. | ​Standard | |

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| 19. Select below the Active Directory server role that provides the functions of Active Directory without the requirements of forests, domains, and domain controllers.   |  |  |  | | --- | --- | --- | |  | a. | ​AD DS | |  | b. | ​AD LDS | |  | c. | ​AD FS | |  | d. | ​AD RMS | |

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| 20. ​Internet and Windows domains are resolved to IP addresses using what role service?   |  |  |  | | --- | --- | --- | |  | a. | ​DHCP | |  | b. | ​DNS | |  | c. | ​Active Directory | |  | d. | ​IPAM | |

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| 21. Select the utility below that provides a single interface for installing, configuring, and removing a variety of server roles and features, as well as providing a place to view server status.   |  |  |  | | --- | --- | --- | |  | a. | ​Server Manager | |  | b. | ​Active Directory Users and Computers | |  | c. | ​MMC | |  | d. | ​PowerShell | |

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| 22. ​What Windows Server 2012 R2 server role provides the Host Credential Authorization Protocol (HCAP) role service?   |  |  |  | | --- | --- | --- | |  | a. | ​Remote Access | |  | b. | ​Print and Document Services | |  | c. | ​Windows Deployment Services | |  | d. | ​Network Policy and Access Services | |

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| 23. How many users can be supported by the Essentials Edition of Windows Server 2012?​   |  |  |  | | --- | --- | --- | |  | a. | ​10 | |  | b. | ​15 | |  | c. | ​25 | |  | d. | ​50 | |

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| 24. ​What file system below supports encryption, compression, and use of volumes?   |  |  |  | | --- | --- | --- | |  | a. | ​FAT16 | |  | b. | ​FAT32 | |  | c. | ​NTFS | |  | d. | ​ISO9660 | |

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| 25. What role provides services for creating, issuing, and managing digital certificates that can be used to verify identities?   |  |  |  | | --- | --- | --- | |  | a. | ​Active Directory Domain Services | |  | b. | ​Active Directory Certificate Services | |  | c. | ​Active Directory Federation Services | |  | d. | ​Active Directory Rights Management Services | |

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| *Enter the appropriate word(s) to complete the statement.* |

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| 26. ​What edition of Windows Server 2012 supports 25 or fewer users, and automatically configures itself as a root domain controller? |

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| 27. The \_\_\_\_\_\_\_\_\_\_\_\_ consists of the virtual environment that emulates a physical computer's hardware and BIOS. |

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| 28. \_\_\_\_\_\_\_\_ is a collection of technologies for abstracting the details of how applications, storage, network, and other computing resources are delivered to users. |

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| 29. A \_\_\_\_\_\_\_\_\_\_\_\_\_ is composed of two parts: NIC hardware and device drivers. |

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| 30. The first domain controller installed in an Active Directory forest is known as the \_\_\_\_\_\_\_\_\_\_\_\_\_.​ |

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| 31. ​Other than the full GUI interface, the options for a reduced user interface on Windows Server 2012 R2 consist of Server Core and \_\_\_\_\_\_\_\_\_\_\_. |

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| ​   |  |  |  |  | | --- | --- | --- | --- | | a. | ​Hypervisor | b. | ​Network protocol | | c. | ​Network client | d. | ​Server operating systems | | e. | ​Client access licenses (CALs) | f. | ​Domain controller | | g. | ​Member server | h. | ​Virtual machine | | i. | ​Guest OS | j. | Private cloud | |

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| 32. ​Software that specifies the rules and format of communication between devices on a network |

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| 33. ​A license required by law for each user who logs on to a Windows Server 2012 server |

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| 34. ​The virtual environment that emulates a physical computers hardware and BIOS |

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| 35. ​The virtualization software component that creates and monitors the virtual hardware environment |

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| 36. ​The part of the OS that sends requests to a server to access network resources |

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| 37. ​A cloud computing service provided by a company's internal IT Department. |

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| 38. ​The operating system running in a virtual machine installed on a host computer |

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| 39. ​A Windows server that's in the management scope of a Windows domain but doesn't have Active Directory installed |

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| 40. ​A Windows server that has Active Directory installed and is responsible for allowing client computers access to domain resources |

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| 41. ​OSs designed to emphasize network access performance and run background processes. |

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| 42. What specifies the rules and format of communication between network devices? |

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| 43. What file system in Windows Server 2012 supports features such as encryption, file and folder permissions, and compression? |

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| 44. What tool can be utilized to monitor and manage servers running DHCP and DNS, as well as provide automatic discovery of domain controllers, DHCP, and DNS servers? |

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| 45. What makes PowerShell cmdlets in general different from regular commands? |

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| 46. A server that is joined to an Active Directory domain but does not have Active Directory installed is known as? |

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| 47. What file system can be utilized to create a volume that may be compatible with other non-Windows based operating systems? |

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| 48. The Remote Access role allows the configuration of what type of remote access? |

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| 49. The ability to assign system policies, deploy software, and assign permissions and rights to users of network resources in a centralized manner is a feature of what Windows Server 2012 R2 service? |

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| 50. What use does the new file system introduced in Windows Server 2012 have? |

**Answer Key**

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| 1. True |

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| 2. True |

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| 3. True |

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| 4. False |

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| 5. False |

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| 6. d |

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| 7. c |

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| 10. c |

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| 11. a |

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| 12. b |

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| 13. c |

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| 14. d |

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| 15. b |

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| 16. c |

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| 17. b |

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| 18. a |

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| 19. b |

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| 20. b |

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| 21. a |

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| 22. d |

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| 23. c |

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| 24. c |

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| 25. b |

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| 26. ​  Essentials Edition |

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| 27. virtual machine​  VM |

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| 28. Cloud computing |

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| 29. Network interface |

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| 30. root  root domain controller  forest root |

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| 31. ​Minimal Server Interface |

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| 32. b |

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| 33. e |

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| 34. h |

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| 37. j |

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| 39. g |

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| 40. f |

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| 41. d |

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| 42.  Network protocol |

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| 43.  NTFS |

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| 44. IP Address Management (IPAM) |

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| 45. Cmdlets can be used to manage remote computers and supports the loading of modules, as well as the creation of new cmdlets. |

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| 46.  Member server |

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| 47.  FAT or FAT32 |

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| 48.  Virtual Private Network (VPN) |

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| 49.  Active Directory |

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| 50. The Resilient File System (ReFS) provides reliability for large data storage applications |