|  |
| --- |
| **True / 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 |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 2. ​When installing Windows Server 2012 R2 Essentials Edition, the server is automatically configured as a root domain controller.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 3. The TCP/IPv4 protocol suite is the newest set of networking protocols installed on Windows Server 2012.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 4. The Line Printer Daemon role service provides print compatibility with Linux / UNIX clients.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 5. The Foundation Edition of Windows Server 2012, although limited, supports Hyper-V, and can be installed within a virtual machine.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| --- |
| **Multiple Choice** |

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| 6. ​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 |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7. ​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 |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. ​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 |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 9. ​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 |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 10. ​Dropbox, SkyDrive, and Google Apps are all examples of what type of computing?   |  |  |  | | --- | --- | --- | |  | a. | ​Public cloud | |  | b. | ​Private cloud | |  | c. | Domain | |  | d. | ​Open cloud |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 11. ​What file system below supports encryption, compression, and use of volumes?   |  |  |  | | --- | --- | --- | |  | a. | ​FAT16 | |  | b. | ​FAT32 | |  | c. | ​NTFS | |  | d. | ​ISO9660 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 12. 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 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 13. ​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 |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 14. ​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 |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 15. ​What is the maximum number of virtual processors supported by Hyper-V 3.0?   |  |  |  | | --- | --- | --- | |  | a. | ​8 | |  | b. | ​16 | |  | c. | ​32 | |  | d. | ​64 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 16. 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 |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 17. 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 |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 18. ​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 |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 19. ​Internet and Windows domains are resolved to IP addresses using what role service?   |  |  |  | | --- | --- | --- | |  | a. | ​DHCP | |  | b. | ​DNS | |  | c. | ​Active Directory | |  | d. | ​IPAM |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 20. How many users can be supported by the Essentials Edition of Windows Server 2012?​   |  |  |  | | --- | --- | --- | |  | a. | ​10 | |  | b. | ​15 | |  | c. | ​25 | |  | d. | ​50 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 21. 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) |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 22. 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 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 23. 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 |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 24. 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 |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 25. 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 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| **Completion** |

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| 26. \_\_\_\_\_\_\_\_ is a collection of technologies for abstracting the details of how applications, storage, network, and other computing resources are delivered to users.   |  |  | | --- | --- | | *ANSWER:* | Cloud computing | |

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| 27. The first domain controller installed in an Active Directory forest is known as the \_\_\_\_\_\_\_\_\_\_\_\_\_.​   |  |  | | --- | --- | | *ANSWER:* | root  root domain controller  forest root | |

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| 28. The \_\_\_\_\_\_\_\_\_\_\_\_ consists of the virtual environment that emulates a physical computer's hardware and BIOS.   |  |  | | --- | --- | | *ANSWER:* | virtual machine​  VM | |

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| 29. A \_\_\_\_\_\_\_\_\_\_\_\_\_ is composed of two parts: NIC hardware and device drivers.   |  |  | | --- | --- | | *ANSWER:* | Network interface | |

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| 30. ​Other than the full GUI interface, the options for a reduced user interface on Windows Server 2012 R2 consist of Server Core and \_\_\_\_\_\_\_\_\_\_\_.   |  |  | | --- | --- | | *ANSWER:* | ​Minimal Server Interface | |

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| 31. ​What edition of Windows Server 2012 supports 25 or fewer users, and automatically configures itself as a root domain controller?   |  |  | | --- | --- | | *ANSWER:* | ​  Essentials Edition | |

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| --- |
| **Matching** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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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   |  |  | | --- | --- | | *ANSWER:* | b | |

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

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| --- | --- | --- |
| 34. ​The virtual environment that emulates a physical computers hardware and BIOS   |  |  | | --- | --- | | *ANSWER:* | h | |

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| --- | --- | --- |
| 35. ​The virtualization software component that creates and monitors the virtual hardware environment   |  |  | | --- | --- | | *ANSWER:* | a | |

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| --- | --- | --- |
| 36. ​The part of the OS that sends requests to a server to access network resources   |  |  | | --- | --- | | *ANSWER:* | c | |

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| 37. ​A cloud computing service provided by a company's internal IT Department.   |  |  | | --- | --- | | *ANSWER:* | j | |

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| --- | --- | --- |
| 38. ​The operating system running in a virtual machine installed on a host computer   |  |  | | --- | --- | | *ANSWER:* | i | |

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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   |  |  | | --- | --- | | *ANSWER:* | g | |

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

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| 41. ​OSs designed to emphasize network access performance and run background processes.   |  |  | | --- | --- | | *ANSWER:* | d | |

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| **Subjective Short Answer** |

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| --- | --- | --- |
| 42. What makes PowerShell cmdlets in general different from regular commands?   |  |  | | --- | --- | | *ANSWER:* | 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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| 43. What use does the new file system introduced in Windows Server 2012 have?   |  |  | | --- | --- | | *ANSWER:* | The Resilient File System (ReFS) provides reliability for large data storage applications | |

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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?   |  |  | | --- | --- | | *ANSWER:* | IP Address Management (IPAM) | |

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| 45. The Remote Access role allows the configuration of what type of remote access?   |  |  | | --- | --- | | *ANSWER:* | Virtual Private Network (VPN) | |

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| 46. What file system in Windows Server 2012 supports features such as encryption, file and folder permissions, and compression?   |  |  | | --- | --- | | *ANSWER:* | NTFS | |

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| 47. What specifies the rules and format of communication between network devices?   |  |  | | --- | --- | | *ANSWER:* | Network protocol | |

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| 48. A server that is joined to an Active Directory domain but does not have Active Directory installed is known as?   |  |  | | --- | --- | | *ANSWER:* | Member server | |

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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?   |  |  | | --- | --- | | *ANSWER:* | Active Directory | |

|  |  |  |
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| 50. What file system can be utilized to create a volume that may be compatible with other non-Windows based operating systems?   |  |  | | --- | --- | | *ANSWER:* | FAT or FAT32 | |