|  |
| --- |
| **True / False** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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** |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |

 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |

 |

|  |
| --- |
| **Completion** |

|  |  |  |
| --- | --- | --- |
| 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 |

 |

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

|  |  |
| --- | --- |
| *ANSWER:* | rootroot domain controllerforest root |

 |

|  |  |  |
| --- | --- | --- |
| 28. The \_\_\_\_\_\_\_\_\_\_\_\_ consists of the virtual environment that emulates a physical computer's hardware and BIOS.

|  |  |
| --- | --- |
| *ANSWER:* | virtual machine​VM |

 |

|  |  |  |
| --- | --- | --- |
| 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 |

 |

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

|  |  |
| --- | --- |
| *ANSWER:* | ​Essentials Edition |

 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ​

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |

 |

|  |  |  |
| --- | --- | --- |
| 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** |

|  |  |  |
| --- | --- | --- |
| 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. |

 |

|  |  |  |
| --- | --- | --- |
| 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 |

 |

|  |  |  |
| --- | --- | --- |
| 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) |

 |

|  |  |  |
| --- | --- | --- |
| 45. The Remote Access role allows the configuration of what type of remote access?

|  |  |
| --- | --- |
| *ANSWER:* | Virtual Private Network (VPN) |

 |

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

|  |  |
| --- | --- |
| *ANSWER:* | NTFS |

 |

|  |  |  |
| --- | --- | --- |
| 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 |

 |

|  |  |  |
| --- | --- | --- |
| 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 |

 |

|  |  |  |
| --- | --- | --- |
| 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 |

 |