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| --- | --- | --- | --- | --- | --- | --- |
| 1. An automated patch update service is used to manage patches within the enterprise instead of relying on the vendor's online updates.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 2. The BIOS was software that was integrated into the computer's motherboard.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 3. Tightening security during the design and coding of an OS is called "locking."   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 4. An access log is a record or list of individuals who have permission to enter a secure area, along with the time they entered and the time they left the area.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 5. When securing a laptop, it can be placed in an office or a desk drawer.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 6. In the production stage the application is released to be used in its actual setting.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 7. The testing stage is a "quality assurance" test to verify that the code functions as intended.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 8. One tool for change management is version control software that allows changes to be automatically recorded and if necessary "rolled back" to a previous version of the software.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 9. A compiled code test is used to ensure that the projected application meets all specifications at that point   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 10. Static program analyzers are tools that examine the software without actually executing the program; instead, the source code is reviewed and analyzed.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False | |

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| 11. What security standard was introduced in conjunction with UEFI?   |  |  |  | | --- | --- | --- | |  | a. | Unified Boot | |  | b. | BIOS | |  | c. | Secure Boot | |  | d. | Firmware Interface | |

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| 12. What U.S. government classified standard is intended to prevent attackers from picking up electromagnetic fields from government buildings?   |  |  |  | | --- | --- | --- | |  | a. | RAIN | |  | b. | EMIF | |  | c. | TEMPEST | |  | d. | MaSec | |

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| 13. What type of OS manages hardware and software on a client computer?   |  |  |  | | --- | --- | --- | |  | a. | network OS | |  | b. | client OS | |  | c. | workstation OS | |  | d. | appliance OS | |

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| 14. What type of OS in firmware is designed to manage a specific device like a video game console?   |  |  |  | | --- | --- | --- | |  | a. | network OS | |  | b. | client OS | |  | c. | workstation OS | |  | d. | appliance OS | |

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| 15. Which of the following are considered to be part of a typical OS security configuration? (Choose all that apply.)   |  |  |  | | --- | --- | --- | |  | a. | Disabling unnecessary ports and services | |  | b. | Employing least functionality | |  | c. | Password auditing | |  | d. | Disabling default accounts/passwords | |

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| 16. What security concept states a user should only be given the minimum set of permissions required to perform necessary tasks?   |  |  |  | | --- | --- | --- | |  | a. | least functionality | |  | b. | whitelisting | |  | c. | blacklisting | |  | d. | function limiting | |

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| 17. In Microsoft Windows, what type of templates are a collection of security configuration settings?   |  |  |  | | --- | --- | --- | |  | a. | security | |  | b. | user | |  | c. | system | |  | d. | administrator | |

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| 18. What type of filtering software divides email messages that have been received into two piles, spam and non-spam and then analyzes every word in each email and determines how frequently a word occurs in the spam pile compared to the not-spam pile?   |  |  |  | | --- | --- | --- | |  | a. | Blacklist filtering | |  | b. | Whitelist filtering | |  | c. | Bayesian filtering | |  | d. | Extension filtering | |

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| 19. Anti-virus products typically utilize what type of virus scanning analysis?   |  |  |  | | --- | --- | --- | |  | a. | Static analysis | |  | b. | Wildcard scanning analysis | |  | c. | Heuristic detection analysis | |  | d. | String scanning analysis | |

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| 20. What is the name for a cumulative package of all patches and hot-fixes as well as additional features up to a given point?   |  |  |  | | --- | --- | --- | |  | a. | feature pack | |  | b. | roll-up | |  | c. | service pack | |  | d. | patch | |

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| 21. Which AV approach uses a variety of techniques to spot the characteristics of a virus instead of attempting to make matches?   |  |  |  | | --- | --- | --- | |  | a. | heuristic monitoring | |  | b. | pattern detection | |  | c. | hybrid monitoring | |  | d. | combination detection | |

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| 22. What publicly released software security update is intended to repair a vulnerability?   |  |  |  | | --- | --- | --- | |  | a. | update | |  | b. | service pack | |  | c. | patch | |  | d. | renewal | |

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| 23. What type of update does not allow a user to refuse or delay security updates?   |  |  |  | | --- | --- | --- | |  | a. | preventative | |  | b. | forced | |  | c. | mandatory | |  | d. | security | |

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| 24. What specific software can examine a computer for any infections as well as monitor computer activity and scan new documents that might contain a virus?   |  |  |  | | --- | --- | --- | |  | a. | anti-malware | |  | b. | antivirus | |  | c. | security applications | |  | d. | firewall | |

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| 25. Which of the following is an AV heuristic monitoring technique?   |  |  |  | | --- | --- | --- | |  | a. | code emulation | |  | b. | environment scanning | |  | c. | code monitoring | |  | d. | OS simulation | |

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| 26. What monitors emails for spam and other unwanted content to prevent these messages from being delivered?   |  |  |  | | --- | --- | --- | |  | a. | mail gateway | |  | b. | firewall | |  | c. | router gateway | |  | d. | code emulation | |

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| 27. Which OS hardening technique removes all unnecessary features that may compromise an operating system?   |  |  |  | | --- | --- | --- | |  | a. | least privilege | |  | b. | OS priority | |  | c. | kernel pruning | |  | d. | reduce capabilities | |

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| 29. Which of the following is a popular type of removable data storage used on mobile devices?   |  |  |  | | --- | --- | --- | |  | a. | SSD | |  | b. | SD | |  | c. | HDD | |  | d. | USB | |

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| 30. What type of tools are involved in effective patch management? (Choose all that apply.)   |  |  |  | | --- | --- | --- | |  | a. | patch verification | |  | b. | patch distribution | |  | c. | patch monitoring | |  | d. | patch reception | |

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| 31. An independently rotating large cup affixed to the top of a fence prevents the hands of intruders from gripping the top of a fence to climb over it. What is the name for this technology?   |  |  |  | | --- | --- | --- | |  | a. | bollard | |  | b. | fence | |  | c. | roller barrier | |  | d. | top hat | |

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| 32. Most portable devices, and some computer monitors have a special steel bracket security slot built into the case, which can be used in conjunction with a:   |  |  |  | | --- | --- | --- | |  | a. | U-lock | |  | b. | safe lock | |  | c. | shield lock | |  | d. | cable lock | |

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| 33. What type of video surveillance is typically used by banks, casinos, airports, and military installations, and commonly employs guards who actively monitor the surveillance?   |  |  |  | | --- | --- | --- | |  | a. | CCTV | |  | b. | ICTV | |  | c. | IPTV | |  | d. | ITV | |

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| 34. A spiked collar that extends horizontally for up to 3 feet from the pole is an example of what kind of technology?   |  |  |  | | --- | --- | --- | |  | a. | Anti-climb | |  | b. | Spiked barrier | |  | c. | Roller barrier | |  | d. | Rotating spikes | |

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| 35. How can an area be made secure from a non-secured area via two interlocking doors to a small room?   |  |  |  | | --- | --- | --- | |  | a. | Using a lockout | |  | b. | Using a mantrap | |  | c. | Using a closet | |  | d. | Using a pit | |

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| 36. A Wi-Fi enabled microSD card is an example of what type of device?   |  |  |  | | --- | --- | --- | |  | a. | PCIe | |  | b. | mobile card | |  | c. | SDIO | |  | d. | Secure Digital | |

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| 37. Which of the following are application development stages? (Choose all that apply.)   |  |  |  | | --- | --- | --- | |  | a. | analysis | |  | b. | proofing | |  | c. | testing | |  | d. | staging | |

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| 38. Which application development life-cycle model uses a sequential design process?   |  |  |  | | --- | --- | --- | |  | a. | agile | |  | b. | linear | |  | c. | waterfall | |  | d. | serial | |

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| 39. What software methodology includes security automation?   |  |  |  | | --- | --- | --- | |  | a. | DevOps | |  | b. | Secure DevOps | |  | c. | Agile | |  | d. | Secure Agile | |

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| 40. What specific process in application development removes a resource that is no longer needed?   |  |  |  | | --- | --- | --- | |  | a. | deprovisioning | |  | b. | version control | |  | c. | change management | |  | d. | baselining | |

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| 41. Describe a mantrap. |

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| 42. How can cable conduits that run between two secure areas be protected? |

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| 43. How is the UEFI Secure Boot security standard designed to combat BIOS attacks? |

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| 44. What is a supply chain and why is it critical to understand that it needs to be secured? |

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| 45. What are some of the advantages to an automated patch update service? |

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| 46. What type of package helps prevent computers from becoming infected by different types of spyware? |

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| 47. What is a multi-functional device (MFD)? |

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| 48. What is a bollard? |

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| 49. What is provisioning? |

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| 50. Explain the security advantages of "code signing" and "stored procedure"? |