

Mid-Term Exam



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Attempt 1

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Submission View

Your quiz has been submitted successfully.

Question 1

2 / 2 points

Business processes accounted for 65% of the cloud services market in 2008.

- ☐ 1) True
✓ ☒ 2) False

▶ [View question 1 feedback](#)

Question 2

2 / 2 points

The original version of the Conficker worm replicated the infection through the use of USB memory sticks and network shares.

- ☐ 1) True
✓ ☒ 2) False

▶ [View question 2 feedback](#)

Question 3

2 / 2 points

Single sign-on is highly desirable because it reduces human error.

- ✓ ☒ 1) True
☐ 2) False

▶ [View question 3 feedback](#)

Question 4

2 / 2 points

In TEMPEST, the red distinction refers to securing classified or sensitive equipment while the black distinction refers to normal unsecured equipment.

- ✓ ☒ 1) True
☐ 2) False

▶ [View question 4 feedback](#)

Question 5

2 / 2 points

Housekeeping is not an important component of account security.

- ☐ 1) True
✓ ☒ 2) False

Question 6**2 / 2 points**

Triple DES uses a 112-bit or 168-bit encryption key.

- ✓ ☒ 1) True
☐ 2) False

▷ [View question 6 feedback](#)

Question 7**2 / 2 points**

Physical security is a simple, yet important element of system security.

- ✓ ☒ 1) True
☐ 2) False

▷ [View question 7 feedback](#)

Question 8**2 / 2 points**

Fiber optic cable is designed for high speed networking from 100 Mb/sec to 100 Gb/sec.

- ✓ ☒ 1) True
☐ 2) False

▷ [View question 8 feedback](#)

Question 9**2 / 2 points**

Macro viruses spread through documents such as Microsoft Word or Excel.

- ✓ ☒ 1) True
☐ 2) False

▷ [View question 9 feedback](#)

Question 10**2 / 2 points**

Message Digest 5 hashes & rehashes four times to create digital signature.

- ✓ ☒ 1) True
☐ 2) False

▷ [View question 10 feedback](#)

Question 11**2 / 2 points**

User piracy is a liability to organizations.

- ✓ ☒ 1) True
☐ 2) False

▷ [View question 11 feedback](#)

Question 12**2 / 2 points**

The term TEMPEST stands for Transient Electromagnetic Pulse Emanation Standard.

- ✓ ☐ 1) True
☐ 2) False

▷ [View question 12 feedback](#)

Question 13

2 / 2 points

When designing a network topology for security, a cable plant is the total amount of communications cable laid for the network.

- ✓ ☐ 1) True
☐ 2) False

▷ [View question 13 feedback](#)

Question 14

2 / 2 points

Cloud computing provides a way to increase capacity or add capabilities on the fly without investing in new infrastructure, training new personnel, or licensing new software.

- ✓ ☐ 1) True
☐ 2) False

▷ [View question 14 feedback](#)

Question 15

2 / 2 points

A dictionary attack involves the constant bombardment of a target system in order to obtain system access.

- ☐ 1) True
✓ ☐ 2) False

▷ [View question 15 feedback](#)

Question 16

2 / 2 points

Ron Rivest, Adi Shamir, and Leonard Adelman created RSA Encryption.

- ✓ ☐ 1) True
☐ 2) False

Question 17

0 / 2 points

The active directory users and computers MMC can transfer the schema master role to another domain controller within the forest.

- ✗ ☐ 1) True
➡ ☐ 2) False

Question 18

2 / 2 points

Microsoft's Point-to-Point Encryption (MPPE) supports up to a 256-bit encryption key.

- ☐ 1) True
✓ ☐ 2) False

▶ [View question 18 feedback](#)

Question 19**2 / 2 points**

Glitching is a form of an active EMSEC attack.

- ✓ ☐ 1) True
☐ 2) False

▶ [View question 19 feedback](#)

Question 20**2 / 2 points**

National Security Directive #42 includes both cryptography and authentication.

- ☐ 1) True
✓ ☐ 2) False

▶ [View question 20 feedback](#)

Question 21**2 / 2 points**

Which of the following are people strategies for Defense-in-Depth?

- ☐ System Risk Assessment
☐ Certification & Accreditation
✓ ☐ Training & Awareness
☐ Readiness Assessments

▶ [View question 21 feedback](#)

Question 22**2 / 2 points**

System Security Architecture provides a suite of functions, including _____.

- ☐ login
☐ authentication
☐ access control
✓ ☐ All of the Above

▶ [View question 22 feedback](#)

Question 23**2 / 2 points**

When was TEMPEST declassified by the U.S. Government?

- ☐ 1992
- ✓ ☒ 1995
- ☐ 1999
- ☐ 2003

Question 24**2 / 2 points**

HVAC systems are used to maintain a constant temperature for server and equipment operations and should not be below _____ degrees.

- ✓ ☒ 50
- ☐ 35
- ☐ 40
- ☐ 32

▶ [View question 24 feedback](#)

Question 25**2 / 2 points**

This type of virus appends itself to a program file.

- ☐ Boot/Partition Sector Virus
- ✓ ☒ File Infector Virus
- ☐ Macro Virus
- ☐ Multipartite Virus

▶ [View question 25 feedback](#)

Question 26**2 / 2 points**

Which of the following are operations strategies for Defense-in-Depth?

- ✓ ☒ Key Management
- ☐ Acquisition/Integration of Evaluated Products
- ☐ Physical Security

☐ All of the Above

▶ [View question 26 feedback](#)

Question 27

2 / 2 points

Off-site storage of media must be _____.

☐ in a trusted location

☐ secured with locks

☐ accessible to local system administrators

✓ ☒ all of the above

▶ [View question 27 feedback](#)

Question 28

2 / 2 points

Unshielded twisted pair cable is _____.

☐ frequently used

☐ inexpensive and easy to install

☐ still susceptible to interference

✓ ☒ all of the above

▶ [View question 28 feedback](#)

Question 29

2 / 2 points

Which of the following are considered to be benefits of virtualizing a server infrastructure?

☐ Virtualization software provides for a reduction in datacenter costs due to a reduction in the physical infrastructure.

☐ Virtualization software only supports specific hardware.

☐ Virtualization software increases the availability of hardware and applications.

☐ Both A and B

✓ ☒ Both A and C

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Question 30**2 / 2 points**

A system administrator's responsibilities include:

- ☐ Project management for systems-related projects
- ☐ Basic desktop support
- ☐ Supervising or training computer operators
- ☐ Both A and B
- ✓ ☐ Both A and C

▶ [View question 30 feedback](#)

Question 31**2 / 2 points**

Fiber optic cable is available in the following modes:

- ☐ single-mode
- ☐ multi-mode
- ☐ tri-mode
- ✓ ☐ Both A and B
- ☐ Both A and C

▶ [View question 31 feedback](#)

Question 32**2 / 2 points**

The data encryption standard was broken in which year?

- ☐ 1977
- ✓ ☐ 1997
- ☐ 2007
- ☐ DES has not been broken yet.

▶ [View question 32 feedback](#)

Question 33**2 / 2 points**

Assurance that information is not disclosed to unauthorized individuals, processes, or devices.

- ☒ Confidentiality
- ☐ Availability
- ☐ Integrity
- ☐ Security

▶ [View question 33 feedback](#)

Question 34**2 / 2 points**

A system has

- ☐ structure
- ☐ behavior
- ☐ interconnectivity
- ☒ All of the Above

▶ [View question 34 feedback](#)

Question 35**2 / 2 points**

In fax security, the greatest security risk is human error, resulting in someone _____.

- ☒ dialing the wrong number
- ☐ using cover sheets
- ☐ faxing sensitive information
- ☐ receiving misdirected faxes

▶ [View question 35 feedback](#)

Question 36**2 / 2 points**

Which of the following is NOT a step during system testing and evaluation?

- ☐ Determine the System is Candidate for IA

- ☐ High Mission Criticality = High Need for IA
- ☐ Certification & Accreditation
- ☒ Vulnerabilities Identified & Repaired Before Assessment by Blue Team

▶ [View question 36 feedback](#)

Question 37

2 / 2 points

A virtual server operating system "virtualizes" which of the following server resources?

- ☐ CPU
- ☐ Memory
- ☐ Network
- ☐ Both A and B
- ☒ All of the Above

▶ [View question 37 feedback](#)

Question 38

2 / 2 points

A certificate authority is ...

- ☐ a person or organization denying access requests
- ☐ a person or organization responsible for creating a user account
- ☒ a person or organization issuing digital certificates
- ☐ a person or organization involved with information security

▶ [View question 38 feedback](#)

Question 39

2 / 2 points

The domain hr.fortuneautos.com is an example of _____.

- ☐ a domain
- ☒ a child domain
- ☐ a forest

☐ none of the above

▶ [View question 39 feedback](#)

Question 40

2 / 2 points

Which of the following attributes are built into the NTFS file system?

- ☐ Compression
- ☐ Encryption
- ☐ Relationships
- ☒ Both A and B
- ☐ Both B and C

Question 41

0 / 20 points

What security issue(s) do you feel are the most important for a company to consider (and why) when looking into the possibility of adopting a solution based on cloud computing?

Responses to this short essay must be a minimum of 300 to 350 words. It is recommended you write this essay in a word processor then copy/paste your response into the answer field.

Cloud computing offers many benefits for businesses, including increased flexibility, scalability, and cost-efficiency. However, there are also risks involved in implementing cloud computing that you should be aware of. Some of these risks include:

Security risks: One of the biggest concerns when it comes to cloud computing is security. Cloud providers are responsible for securing their infrastructure, but you are responsible for securing your data and applications. You need to ensure that the cloud provider has appropriate security measures in place and that you have the necessary security controls to protect your data.

Data privacy risks: When you store data in the cloud, you are trusting a third-party provider to keep your data safe. You need to ensure that the cloud provider is compliant with data privacy regulations and that your data is not being accessed by unauthorized personnel.

Vendor lock-in: Companies should consider the potential for vendor lock-in when adopting cloud solutions. They should ensure that they can easily migrate their data and applications to another provider or bring them back in-house if necessary. This requires careful planning and consideration of the provider's data migration tools and processes.

Downtime: Cloud providers experience downtime like any other service provider. You need to ensure that the provider has a robust disaster recovery plan and that you have a backup plan in case of extended downtime.

Lack of control: When you move to the cloud, you lose some control over your infrastructure. You need to ensure that the provider has appropriate service level agreements (SLAs) and that you have the necessary visibility and control over your applications and data.

Compliance risks: Depending on the nature of your business, you may be subject to regulatory compliance requirements. You need to ensure that the cloud provider is compliant with the necessary regulations and that your data is stored and managed in a compliant manner.

This question has not been graded.

The correct answer is not displayed for Written Response type questions.

Attempt Score: 78 / 100 - 78 %

Overall Grade (highest attempt): 78 / 100 - 78 %

Done