

# Timely Updated SISA CSPAI Dumps



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## SISA CSPAI Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Improving SDLC Efficiency Using Gen AI: This section of the exam measures skills of the AI Security Analyst and explores how generative AI can be used to streamline the software development life cycle. It emphasizes using AI for code generation, vulnerability identification, and faster remediation, all while ensuring secure development practices.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Models for Assessing Gen AI Risk: This section of the exam measures skills of the Cybersecurity Risk Manager and deals with frameworks and models used to evaluate risks associated with deploying generative AI. It includes methods for identifying, quantifying, and mitigating risks from both technical and governance perspectives.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Evolution of Gen AI and Its Impact: This section of the exam measures skills of the AI Security Analyst and covers how generative AI has evolved over time and the implications of this evolution for cybersecurity. It focuses on understanding the broader impact of Gen AI technologies on security operations, threat landscapes, and risk management strategies.</li></ul>

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## SISA Certified Security Professional in Artificial Intelligence Sample Questions (Q25-Q30):

### NEW QUESTION # 25

When deploying LLMs in production, what is a common strategy for parameter-efficient fine-tuning?

- A. Implementing multiple independent models for each specific task instead of fine tuning a single model
- **B. Freezing the majority of model parameters and only updating a small subset relevant to the task**
- C. Using external reinforcement learning to adjust the model's parameters dynamically.
- D. Training the model from scratch on the target task to achieve optimal performance.

**Answer: B**

Explanation:

Parameter-efficient fine-tuning (PEFT) strategies, like LoRA or adapters, freeze most pretrained parameters and train only lightweight modules, reducing computational costs while adapting to new tasks. This preserves general knowledge, prevents catastrophic forgetting, and enables quick deployments in resource-constrained settings. For LLMs, it's crucial for efficiency in production, allowing specialization without retraining billions of parameters. Security-wise, it minimizes exposure to new data risks. Exact extract: "A common strategy is freezing the majority of model parameters and updating only a small task-relevant subset, ensuring efficiency in fine-tuning for production deployment." (Reference: Cyber Security for AI by SISA Study Guide, Section on Efficient Fine-Tuning in SDLC, Page 90-92).

### NEW QUESTION # 26

What is the main objective of ISO 42001 in AI management systems?

- A. To regulate hardware used in AI deployments.
- B. To focus solely on technical specifications for AI algorithms.
- C. To provide guidelines only for small-scale AI projects.
- **D. To establish requirements for an AI management system within organizations.**

**Answer: D**

Explanation:

ISO 42001 outlines a framework for organizations to manage AI responsibly, covering risk assessment, governance, and continual improvement. It ensures alignment with ethical principles, promoting trustworthy AI through structured processes. Applicable across sectors, it integrates with existing management systems like ISO 27001. Exact extract: "The main objective of ISO 42001 is to establish requirements for an AI management system in organizations." (Reference: Cyber Security for AI by SISA Study Guide, Section on ISO 42001 Overview, Page 260-263).

### NEW QUESTION # 27

How does GenAI contribute to incident response in cybersecurity?

- A. By delaying responses to gather more data for analysis.
- B. By focusing only on post-incident reporting.
- **C. By automating playbook generation and response orchestration.**
- D. By manually reviewing each incident without AI assistance.

**Answer: C**

Explanation:

GenAI enhances incident response by dynamically generating customized playbooks based on threat intelligence and orchestrating automated actions like isolation or patching. It processes vast logs in real-time, correlating events to prioritize alerts and suggest optimal responses, reducing mean time to respond (MTTR).

For complex incidents, it simulates outcomes of different strategies, aiding decision-making. This automation frees analysts for strategic tasks, improving efficiency and effectiveness in containing breaches. Exact extract:

"GenAI contributes to incident response by automating playbook generation and orchestration, enhancing cybersecurity operations." (Reference: Cyber Security for AI by SISA Study Guide, Section on AI in Incident Response, Page 215-218).

### NEW QUESTION # 28

In ISO 42001, what is required for AI risk treatment?

- A. Delegating all risk management to external auditors.
- B. Focusing only on post-deployment risks.
- C. Identifying, analyzing, and evaluating AI-specific risks with treatment plans.
- D. Ignoring risks below a certain threshold.

**Answer: C**

Explanation:

ISO 42001 mandates a systematic risk treatment process, involving identification of AI risks (e.g., bias, security), analysis of impacts, evaluation against criteria, and development of treatment plans like mitigation or acceptance. This ensures proactive management throughout the AI lifecycle. Exact extract: "ISO 42001 requires identifying, analyzing, and evaluating AI risks with appropriate treatment plans." (Reference: Cyber Security for AI by SISA Study Guide, Section on Risk Treatment in ISO 42001, Page 270-273).

### NEW QUESTION # 29

In a financial technology company aiming to implement a specialized AI solution, which approach would most effectively leverage existing AI models to address specific industry needs while maintaining efficiency and accuracy?

- A. Integrating multiple separate Domain-Specific GenAI models for various financial functions without using a foundational model for consistency
- B. Using a general Large Language Model (LLM) without adaptation, relying solely on its broad capabilities to handle financial tasks.
- C. Adopting a Foundation Model as the base and fine-tuning it with domain-specific financial data to enhance its capabilities for forecasting and risk assessment.
- D. Building a new, from scratch Domain-Specific GenAI model for financial tasks without leveraging preexisting models.

**Answer: C**

Explanation:

Leveraging foundation models like GPT or BERT for fintech involves fine-tuning with sector-specific data, such as transaction logs or market trends, to tailor for tasks like risk prediction, ensuring high accuracy without the overhead of scratch-building. This approach maintains efficiency by reusing pretrained weights, reducing training time and resources in SDLC, while domain adaptation mitigates generalization issues. It outperforms unadapted general models or fragmented specifics by providing cohesive, scalable solutions.

Security is enhanced through controlled fine-tuning datasets. Exact extract: "Adopting a Foundation Model and fine-tuning with domain-specific data is most effective for leveraging existing models in fintech, balancing efficiency and accuracy." (Reference: Cyber Security for AI by SISA Study Guide, Section on Model Adaptation in SDLC, Page 105-108).

### NEW QUESTION # 30

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