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Almost everyone is trying to pass the ISACA Advanced in AI Security Management (AAISM) Exam (AAISM) certification exam to upgrade their CVs and land desired jobs. Every applicant of the ISACA Advanced in AI Security Management (AAISM) Exam (AAISM) exam faces just one problem and that is not finding real and Latest AAISM Exam Questions. Applicants are always confused about where to buy actual AAISM Exam Questions and prepare successfully for the ISACA Advanced in AI Security Management (AAISM) Exam (AAISM) exam in a short time.

ISACA AAISM Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">AI Technologies and Controls: This section of the exam measures the expertise of AI Security Architects and assesses knowledge in designing secure AI architecture and controls. It addresses privacy, ethical, and trust concerns, data management controls, monitoring mechanisms, and security control implementation tailored to AI systems.
Topic 2	<ul style="list-style-type: none">AI Risk Management: This section of the exam measures the skills of AI Risk Managers and covers assessing enterprise threats, vulnerabilities, and supply chain risk associated with AI adoption, including risk treatment plans and vendor oversight.
Topic 3	<ul style="list-style-type: none">AI Governance and Program Management: This section of the exam measures the abilities of AI Security Governance Professionals and focuses on advising stakeholders in implementing AI security through governance frameworks, policy creation, data lifecycle management, program development, and incident response protocols.

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ISACA Advanced in AI Security Management (AAISM) Exam Sample Questions (Q41-Q46):

NEW QUESTION # 41

Which of the following AI system vulnerabilities is MOST easily exploited by adversaries?

- **A. Weak controls for access to the AI model**
- B. Lack of protection against denial of service (DoS) attacks
- C. Inability to detect input modifications causing inappropriate AI outputs
- D. Inaccurate generalizations from new data by the AI model

Answer: A

Explanation:

AAISM study materials stress that weak access controls are the most easily exploited vulnerability in AI systems. Without strong access restrictions, adversaries can directly query, extract, manipulate, or overload models, leading to data leakage or compromised outputs. While inaccurate generalizations, DoS vulnerabilities, or susceptibility to input manipulation are serious, they typically require more effort or specific conditions. Weak access control provides the most direct and immediate entry point for attackers. As such, it is identified as the most easily exploited vulnerability.

References:

AAISM Exam Content Outline - AI Risk Management (Access and Authentication Vulnerabilities) AI Security Management Study Guide - Exploitable Weaknesses in AI Systems

NEW QUESTION # 42

A financial institution plans to deploy an AI system to provide credit risk assessments for loan applications.

Which of the following should be given the HIGHEST priority in the system's design to ensure ethical decision-making and prevent bias?

- A. Integrate a mechanism for customers to appeal decisions directly within the system.
- B. Restrict the model's decision-making criteria to objective financial metrics only.
- **C. Train the system to provide advisory outputs with final decisions made by human experts.**
- D. Regularly update the model with new customer data to improve prediction accuracy.

Answer: C

Explanation:

In AI governance frameworks, credit scoring is treated as a high-risk application. For such systems, the highest-priority safeguard is human oversight to ensure fairness, accountability, and prevention of bias in automated decisions.

The AI Security Management™ (AAISM) domain of AI Governance and Program Management emphasizes that high-impact AI systems require explicit governance structures and human accountability. Human-in-the-loop design ensures that final decisions remain the responsibility of human experts rather than being fully automated. This is particularly critical in financial contexts, where biased outputs can affect individuals' access to credit and create compliance risks.

Official ISACA AI governance guidance specifies:

High-risk AI systems must comply with strict requirements, including human oversight, transparency, and fairness.

The purpose of human oversight is to reduce risks to fundamental rights by ensuring humans can intervene or override an automated decision.

Bias controls are strengthened by requiring human review processes that can analyze outputs and prevent unfair discrimination.

Why other options are not the highest priority:

- A). Regular updates improve accuracy but do not guarantee fairness or ethical decision-making. Model drift can introduce new bias if not governed properly.
- B). Appeals mechanisms are important for accountability, but they operate after harm has occurred.
- Governance frameworks emphasize prevention through human oversight in the decision loop.
- D). Restricting criteria to "objective metrics" is insufficient, as even objective data can contain hidden proxies for protected attributes. Bias mitigation requires monitoring, testing, and human oversight, not only feature restriction.

AAISM Domain Alignment:

Domain 1 - AI Governance and Program Management: Ensures accountability, ethical oversight, and governance structures.

Domain 2 - AI Risk Management: Identifies and mitigates risks such as bias, discrimination, and lack of transparency.

Domain 3 - AI Technologies and Controls: Provides the technical enablers for implementing oversight mechanisms and bias detection tools.

References from AAISM and ISACA materials:

AAISM Exam Content Outline - Domain 1: AI Governance and Program Management (roles, responsibilities, oversight).

ISACA AI Governance Guidance (human oversight as mandatory in high-risk AI applications).

Bias and Fairness Controls in AI (human review and intervention as a primary safeguard).

NEW QUESTION # 43

Which of the following is MOST important to consider when validating a third-party AI tool?

- A. Industry analysis and certifications
- B. Roundtable testing
- C. Right to audit
- D. Terms and conditions

Answer: C

Explanation:

The AAISM framework specifies that when adopting third-party AI tools, the right to audit is the most critical contractual and governance safeguard. This ensures that the organization can independently verify compliance with security, privacy, and ethical requirements throughout the lifecycle of the tool. Terms and conditions provide general usage guidance but often limit liability rather than ensuring transparency. Industry certifications may indicate good practice but do not substitute for direct verification. Roundtable testing is useful for evaluation but lacks enforceability. Only the contractual right to audit provides formal assurance that the tool operates in accordance with organizational policies and external regulations.

References:

AAISM Exam Content Outline - AI Governance and Program Management (Third-Party Governance) AI Security Management Study Guide - Vendor Oversight and Audit Rights

NEW QUESTION # 44

Which of the following is the GREATEST benefit of implementing an AI tool to safeguard sensitive data and prevent unauthorized access?

- A. Timely analysis of endpoint activities
- B. Timely initiation of incident response
- C. Reduced number of false positives
- D. Reduced need for data classification

Answer: C

Explanation:

The AAISM study materials highlight that AI-powered security tools provide the greatest benefit by reducing false positives in monitoring and access control systems. This improves efficiency, prevents alert fatigue, and enables security teams to focus on true threats. While timely analysis and incident response are benefits, they are not unique to AI-based tools and can be achieved with traditional methods. AI also does not remove the need for data classification, as classification underpins governance and compliance. The standout advantage is the improved accuracy and reduced false positives provided by AI.

References:

AAISM Study Guide - AI Technologies and Controls (Security Tools and Access Management) ISACA AI Security Management - Benefits of AI-Enabled Security

NEW QUESTION # 45

Which of the following is the MOST critical key risk indicator (KRI) for an AI system?

- A. The rate of drift in the model
- B. The accuracy rate of the model

- C. The response time of the model
- D. The amount of data in the model

Answer: A

Explanation:

AAISM highlights that while accuracy and performance metrics are important, the rate of drift is the most critical KRI for AI systems. Model drift occurs when input data or environmental conditions shift, causing the system to degrade and produce unreliable outputs. This risk indicator directly reflects whether the AI continues to function as intended over time. Accuracy rates and response times are performance metrics, not primary risk signals. The amount of data in the model does not reliably indicate exposure to risk. Therefore, the greatest KRI for ongoing assurance and governance is the rate of drift.

References:

AAISM Study Guide - AI Risk Management (Monitoring and Drift Detection) ISACA AI Security Management - Key Risk Indicators for AI Systems

NEW QUESTION # 46

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