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Our ISACA Advanced in AI Security Management (AAISM) Exam exam questions are totally revised and updated according to the changes in the syllabus and the latest developments in theory and practice. And the study materials are based on the past years of the exam really and industry trends through rigorous analysis and summary. We carefully prepare the AAISM test guide for the purpose of providing high-quality products. All the revision and updating of products can graduate the accurate information about the AAISM Guide Torrent you will get, let the large majority of student be easy to master and simplify the content of important information. Our product AAISM test guide delivers more important information with fewer questions and answers, in order to easy and efficient learning.

ISACA AAISM Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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.
Topic 3	<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.

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ISACA Advanced in AI Security Management (AAISM) Exam Sample Questions (Q32-Q37):

NEW QUESTION # 32

When preparing for an AI incident, which of the following should be done FIRST?

- A. Implement a clear communication channel to report AI incidents
- B. Create containment and eradication procedures for AI-related incidents
- **C. Establish a cross-functional incident response team with AI knowledge**
- D. Establish recovery processes for AI system models and datasets

Answer: C

Explanation:

AAISM prescribes Preparation as the foundational phase of AI incident response. The first priority is to form and empower a cross-functional incident response (IR) team with AI/ML expertise (security, data science, product, legal/compliance). Only once the accountable team exists can you define playbooks, communications, containment/eradication steps, recovery processes, and escalation paths. Without a designated team, procedures and channels lack ownership and effectiveness.

References:* AI Security Management (AAISM) Body of Knowledge: Incident Management-Preparation; Roles & Responsibilities; Cross-functional Coordination* AAISM Study Guide: AI IR Operating Model; Stakeholder Mapping; Authority & Escalation* AAISM Mapping to Standards: Security Operations- Preparation Before Procedures (people and roles precede playbooks)

NEW QUESTION # 33

Which of the following is MOST important for an organization to consider when implementing a preventive security safeguard into a new AI product?

- A. Differential privacy
- B. Penetration testing
- C. Model output monitoring
- **D. Input sanitization**

Answer: D

Explanation:

AAISM materials emphasize that the most effective preventive safeguard is to ensure input sanitization.

Preventive controls stop malicious or malformed inputs from reaching the model in the first place, thereby reducing the likelihood of prompt injection, evasion, or poisoning at inference time. Model output monitoring is a detective control, not preventive. Penetration testing is an assessment technique rather than a safeguard.

Differential privacy protects data privacy but does not prevent adversarial input manipulation. Therefore, the most important preventive safeguard in a new AI product is robust input sanitization.

References:

AAISM Study Guide - AI Technologies and Controls (Preventive vs. Detective Safeguards) ISACA AI Security Management - Input Validation in AI Systems

NEW QUESTION # 34

A financial organization is concerned about AI data poisoning. Which control BEST mitigates this risk?

- A. Transparency with customers about data sources
- B. Delivering AI-specific security awareness training
- C. Implementing a break-glass policy
- **D. Using training data from multiple sources**

Answer: D

Explanation:

AAISM outlines that diversifying training data sources reduces the likelihood and impact of poisoning because:

- * attack samples become harder to inject
- * anomalies are easier to detect
- * corrupted data has reduced influence on model behavior

Break-glass procedures (A) relate to incident response, not mitigation. Customer transparency (B) does not stop poisoning. Awareness training (D) is insufficient alone.

References: AAISM Study Guide - Data Poisoning Mitigation; Data Diversity and Source Validation.

NEW QUESTION # 35

When evaluating a new AI tool for intrusion prevention, which of the following is the MOST important consideration to ensure the tool fits within the existing program architecture?

- A. Ensure automated response orchestration.
- B. Prioritize a tool that offers real-time anomaly detection.
- **C. Confirm tool capabilities align with the control objectives.**
- D. Select a tool that integrates with the existing SIEM.

Answer: C

Explanation:

The highest-priority fit criterion for introducing a new AI security capability is alignment to the organization's established control objectives and program architectures. Control objectives encode what must be achieved (e.g., detection coverage, response timeliness, accountability, auditability) and are the basis for requirements traceability across governance, risk, and technical controls. Ensuring the tool's capabilities directly satisfy those objectives provides architectural fit, policy conformance, and measurable assurance. While integration (e.g., SIEM), detection features (e.g., real-time anomaly detection), and orchestration are important, they are secondary to proving the tool maps to-and can be verified against-the control objectives that define the program's intended outcomes.

References:* AI Security Management (AAISM) Body of Knowledge: AI Governance and Program Management - Security program alignment, control objectives, and requirements traceability* AI Security Management Study Guide: Control objective mapping, architecture fit criteria, and solution selection governance

NEW QUESTION # 36

An organization has requested a developer to apply AI algorithms to existing modules in order to improve customer service quality. At this stage, which of the following should be considered FIRST?

- A. Project sponsors may need to agree on a phased approach in order to ensure safe release
- B. The organization may need to explain the performance of the applied AI algorithm
- **C. IT management may need to revise the service agreement if AI behavior cannot be predefined**
- D. The developer may need to be held accountable for business inquiries raised by customers

Answer: C

Explanation:

According to AAISM governance principles, when AI functionality is added to existing services, the first consideration is contractual and service-level accountability. If AI outputs cannot be predefined, the existing service agreements may no longer reflect performance responsibilities or liability. Revising or updating the agreement ensures governance alignment, accountability, and risk management for AI-driven behavior.

Phased approaches and performance explanations are valuable but occur later in project management.

Developer accountability for customer inquiries is not a primary governance step. The most immediate consideration is revising

References:

NEW QUESTION # 37

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