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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 (Q33-Q38):

NEW QUESTION # 33

Which of the following would BEST help an organization align its AI initiatives with business objectives?

- A. Complying with applicable AI-related regulations
- B. Ensuring ethical use of AI technologies in projects
- C. Protecting enterprise information used by AI projects
- **D. Establishing an AI governance committee**

Answer: D

Explanation:

An AI governance committee provides cross-functional oversight to align AI strategy, investment, and risk appetite with business goals. It sets policies, prioritizes portfolios, ensures accountability, and integrates compliance, ethics, and security into decision-making. While compliance, ethics, and information protection are essential, governance is the primary mechanism that systematically connects AI initiatives to enterprise objectives.

References: AI Security Management (AAISM) Body of Knowledge: AI Governance Operating Model- Structures, Roles, and Decision Rights; AAISM Study Guide: Strategic Alignment, Portfolio Oversight, and Accountability Mechanisms.

NEW QUESTION # 34

Within an incident handling process, which of the following would BEST help restore end-user trust in an AI system?

- A. AI is used to monitor incident detection and alerts
- B. The AI model's outputs are validated by team members
- C. The AI model prioritizes incidents based on business impact
- **D. Remediation of the AI system based on lessons learned**

Answer: D

Explanation:

AAISM highlights that post-incident remediation and demonstrating lessons learned is essential to restoring trust. Governance guidance specifies that stakeholders regain confidence only when organizations show clear corrective actions, transparency, and improvements to prevent recurrence.

Validating outputs (B) supports accuracy but is not trust-restoring. Monitoring (C) and prioritization (D) relate to operations, not trust rebuilding.

References: AAISM Study Guide - AI Governance; Incident Response and Trust Restoration.

NEW QUESTION # 35

To ensure the ethical and responsible use of AI, which of the following AI usage policy metrics is MOST important for an organization to monitor?

- A. Frequency of policy consultations by employees
- **B. Number of AI projects that have undergone policy compliance review**
- C. Number of reported policy violations
- D. Frequency of policy reviews and updates

Answer: B

Explanation:

AAISM emphasizes governance effectiveness metrics tied to real lifecycle checkpoints. The count (and percentage) of AI projects that completed policy compliance review before deployment is a leading indicator of policy enforcement and assurance. It directly reflects whether responsible-AI requirements (risk assessment, impact assessment, data/privacy checks, security controls) are embedded in practice. Consult frequency (A) and review cadence (D) are activity metrics, not outcomes. Reported violations (B) are lagging indicators and can be deceptive (low numbers may indicate under-reporting).

References:* AI Security Management™ (AAISM) Body of Knowledge: Program KPIs-policy adoption, stage-gate compliance, audit readiness* AAISM Study Guide: Governance metrics for Responsible AI- coverage of reviews, pass/fail rates, exceptions handling

NEW QUESTION # 36

Which of the following approaches BEST enables the separation of sensitive and shareable data to prevent an AI chatbot from inadvertently disclosing confidential information?

- A. Sandboxing
- B. Containerization
- C. Siloing
- D. Zero Trust

Answer: C

Explanation:

AAISM materials describe data segregation and segmented access as core technical controls to prevent unintended information disclosure by AI systems. Siloing refers to logically or physically separating data into distinct repositories or contexts, ensuring that sensitive datasets are not available to components or applications that only require non-sensitive information. This is directly aligned with preventing a chatbot from accessing or mixing confidential data with general conversational content. Zero Trust (A) is an overarching security architecture principle, focusing on identity and continuous verification; it does not by itself guarantee separation of data. Sandboxing (B) isolates processes but is less about fine-grained data separation. Containerization (D) packages applications and their dependencies, again not necessarily solving the specific problem of mixing sensitive and non-sensitive datasets. Siloing is explicitly highlighted as a way to prevent cross-context leakage in AI use cases.

References: AI Security Management™ (AAISM) Study Guide - Technical Controls for AI Data Protection; Data Segregation and Access Boundaries.

NEW QUESTION # 37

Which attack type is MOST likely to cause model drift?

- A. Membership inference
- B. Perfect knowledge
- C. Model stealing
- D. Data poisoning

Answer: D

Explanation:

AAISM defines data poisoning as directly capable of causing model drift because corrupted training data shifts the statistical distribution, leading to degraded or unsafe performance.

Model stealing (A) extracts model behavior but does not cause drift. Perfect knowledge (B) is an attacker capability, not an attack causing drift. Membership inference (D) attacks privacy, not performance.

References: AAISM Study Guide - Model Drift Causes; Data Poisoning Impact.

NEW QUESTION # 38

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