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# ISACA AAIA QUESTIONS AND

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**ISACA AAIA Certification Questions & Answers**

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**Exam Summary – Syllabus – Questions**

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**AAIA**

**[ISACA Advanced in AI Audit \(AAIA\)](#)**

**90 Questions Exam – 450 / 800 % Cut Score – Duration of 150 minutes**

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## Know Your AAIA Certification Well:

The AAIA is best suitable for candidates who want to gain knowledge in the ISACA AI Audit. Before you start your AAIA preparation you may struggle to get all the crucial Advanced Audit-Specific Artificial Intelligence materials like AAIA syllabus, sample questions, study guide.

But don't worry the AAIA PDF is here to help you prepare in a stress-free manner.

The PDF is a combination of all your queries like-

- What is in the AAIA syllabus?
- How many questions are there in the AAIA exam?
- Which Practice test would help me to pass the AAIA exam at the first attempt?

Passing the AAIA exam makes you ISACA Advanced in AI Audit (AAIA). Having the Advanced Audit-Specific Artificial Intelligence certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## ISACA AAIA Advanced Audit-Specific Artificial Intelligence Certification Details:

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|---------------------|--|
| Exam Name           | ISACA Advanced in AI Audit (AAIA)                      |
| Exam Code           | AAIA   |
| Exam Price          | ISACA Member: US \$459<br>ISACA Nonmember: US \$599    |
| Duration            | 150 mins   |
| Number of Questions | 90   |
| Passing Score       | 450 / 800  |
| Books / Training    | <a href="#">AAIA Online Review Course</a>              |
| Schedule Exam       | <a href="#">Exam Registration</a>                      |
| Sample Questions    | <a href="#">ISACA AAIA Sample Questions</a>            |
| Practice Exam       | <a href="#">ISACA AAIA Certification Practice Exam</a> |

## AAIA Syllabus:

| Topic                         | Details   | Weights    |
|-------------------------------|---|------------|
| <b>AI GOVERNANCE AND RISK</b> | <p>This Domain demonstrates your ability to advise stakeholders on implementing AI solutions through appropriate and effective policy, risk controls, data governance and ethical standards.</p> <p>A. AI MODELS, CONSIDERATIONS, AND REQUIREMENTS</p> <ul style="list-style-type: none"> <li>• Types of AI</li> <li>• Machine Learning/AI Models</li> <li>• Algorithms</li> <li>• AI Life Cycle</li> <li>• Business Considerations</li> </ul> <p>B. AI GOVERNANCE AND PROGRAM MANAGEMENT</p> <ul style="list-style-type: none"> <li>• AI Strategy</li> <li>• AI-Related Roles and Responsibilities</li> <li>• AI-Related Policies and Procedures</li> <li>• AI Training and Awareness</li> <li>• Program Metrics</li> </ul> <p>C. AI RISK MANAGEMENT</p> <ul style="list-style-type: none"> <li>• AI-Related Risk Identification</li> <li>• Risk Assessment</li> <li>• Risk Monitoring</li> </ul> <p>D. PRIVACY AND DATA GOVERNANCE PROGRAMS</p> <ul style="list-style-type: none"> <li>• Data Governance</li> <li>• Privacy Considerations</li> </ul> <p>E. LEADING PRACTICES, ETHICS, REGULATIONS, AND STANDARDS FOR AI</p> <ul style="list-style-type: none"> <li>• Standards, Frameworks, and Regulations Related to AI</li> <li>• Ethical Considerations</li> </ul> | <b>33%</b> |
| <b>AI OPERATIONS</b>          | <p>This domain confirms your skill in balancing sustainability, operational readiness, and the risk profile with the benefits and innovation AI promises to support enterprise-wide adoption of this powerful technology.</p> <p>A. DATA MANAGEMENT SPECIFIC TO AI</p> <ul style="list-style-type: none"> <li>• Data Collection</li> <li>• Data Classification</li> <li>• Data Confidentiality</li> <li>• Data Quality</li> <li>• Data Balancing</li> <li>• Data Scarcity</li> <li>• Data Security</li> </ul> <p>B. AI SOLUTION DEVELOPMENT METHODOLOGIES AND LIFECYCLE</p>   | <b>46%</b> |

| Topic                                   | Details  | Weights    |
|---|--|------------|
|   | <ul style="list-style-type: none"> <li>AI Solution Development Life Cycle</li> <li>Privacy and Security by Design</li> </ul> C. CHANGE MANAGEMENT SPECIFIC TO AI <ul style="list-style-type: none"> <li>Change Management Considerations</li> </ul> D. SUPERVISION OF AI SOLUTIONS <ul style="list-style-type: none"> <li>AI Agency</li> </ul> E. TESTING TECHNIQUES FOR AI SOLUTIONS <ul style="list-style-type: none"> <li>Conventional Software Testing Techniques Applied to AI Solutions</li> <li>AI-Specific Testing Techniques</li> </ul> F. THREATS AND VULNERABILITIES SPECIFIC TO AI <ul style="list-style-type: none"> <li>Types of AI-Related Threats</li> <li>Controls for AI-Related Threats</li> </ul> G. INCIDENT RESPONSE MANAGEMENT SPECIFIC TO AI <ul style="list-style-type: none"> <li>Prepare</li> <li>Identify and Report</li> <li>Assess</li> <li>Respond</li> <li>Post-Incident Review</li> </ul>   |            |
| <b>AI AUDITING TOOLS AND TECHNIQUES</b> | <p>This domain focuses on optimizing audit outcomes through innovation and highlights your knowledge of audit techniques tailored to AI systems and the use of AI-enabled tools streamline audit efficiency and provide faster, quality insight.</p> A. AUDIT PLANNING AND DESIGN <ul style="list-style-type: none"> <li>Identification of AI Assets</li> <li>Types of AI Controls</li> <li>AI Audit Use Cases</li> <li>Internal Training for AI Use</li> </ul> B. AUDIT TESTING AND SAMPLING METHODOLOGIES <ul style="list-style-type: none"> <li>Designing an AI Audit</li> <li>AI Audit Testing Methodologies</li> <li>AI Sampling</li> <li>Testing AI Outcomes</li> <li>Sample AI Audit Process</li> </ul> C. AUDIT EVIDENCE COLLECTION TECHNIQUES <ul style="list-style-type: none"> <li>Data Collection</li> <li>Walkthroughs and Interviews</li> <li>AI Collection Tools</li> </ul> D. AUDIT DATA QUALITY AND DATA ANALYTICS <ul style="list-style-type: none"> <li>Data Quality</li> <li>Data Analytics</li> <li>Data Reporting</li> </ul> E. AI AUDIT OUTPUTS AND REPORTS <ul style="list-style-type: none"> <li>Reports</li> <li>Audit Follow-up</li> <li>Quality Assurance</li> </ul> | <b>21%</b> |

## ISACA AAIA Sample Questions:

### Question: 1

**What is a primary objective during the "identify and report" phase of an AI-specific incident response plan?**

- a) Update all training datasets
- b) Assign financial penalties to users
- c) Terminate all AI model deployments
- d) Detect anomalies or unexpected model outputs

**Answer: d**

### Question: 2

**Which elements are fundamental to a robust AI policy framework in a regulated enterprise environment? (Choose two)**

- a) Clearly defined procedures for bias mitigation
- b) Open-source AI toolkit recommendations
- c) Monitoring requirements for third-party models
- d) Flexible data-sharing protocols with no restrictions

**Answer: a, c**

### Question: 3

**Why should organizations implement human-in-the-loop (HITL) processes in critical AI systems?**

- a) To support ethical oversight and manual intervention
- b) To remove liability from the organization
- c) To fully automate decisions
- d) To bypass explainability requirements

**Answer: a**

**Question: 4**

**Which program management practices are critical for ensuring an AI strategy is effectively implemented across the enterprise? (Choose two)**

- a) Avoiding documentation to encourage agility
- b) Establishing cross-functional AI councils
- c) Relying solely on vendor solutions for AI use cases
- d) Aligning KPIs with strategic business goals

**Answer: b, d**

**Question: 5**

**Which AI model type is most appropriate for generating realistic synthetic data that mimics training distributions?**

- a) Convolutional neural networks (CNNs)
- b) Recurrent neural networks (RNNs)
- c) Generative adversarial networks (GANs)
- d) Decision trees

**Answer: c**

**Question: 6**

**Which roles are commonly involved in executing an AI-specific incident response plan? (choose two)**

- a) AI ethics officer
- b) Data scientists
- c) Corporate event planner
- d) Digital marketing analysts

**Answer: a, b**

**Question: 7**

**What makes walkthroughs and interviews valuable in AI audit evidence collection?**

- a) They eliminate the need for data access logs
- b) They help validate actual practices versus documented processes
- c) They support only technical metrics and configurations
- d) They are required only after deployment

**Answer: b**

**Question: 8**

**Which of the following types of AI is best suited for solving problems involving sequential decision-making under uncertainty?**

- a) Rule-based systems
- b) Natural language processing
- c) Supervised learning
- d) Reinforcement learning

**Answer: d**

**Question: 9**

**Which activities are considered best practices in designing an AI audit testing methodology? (choose two)**

- a) Aligning test cases with AI ethical principles
- b) Avoiding interaction with operational teams
- c) Validating model assumptions and training context
- d) Bypassing explainability tools

**Answer: a, c**

**Question: 10**

**Why are AI systems particularly vulnerable to model inversion attacks?**

- a) AI models are immune to external probing
- b) Attackers can infer sensitive input data from model outputs
- c) Inversion attacks encrypt datasets to hide sensitive variables
- d) They only target traditional software, not AI

**Answer: b**



## Study Guide to Crack ISACA Advanced Audit-Specific Artificial Intelligence AAIA Exam:

- Getting details of the AAIA syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the AAIA exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the ISACA provided training for AAIA exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the AAIA sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on AAIA practice tests is must. Continuous practice will make you an expert in all syllabus areas.

### Reliable Online Practice Test for AAIA Certification

Make EduSum.com your best friend during your ISACA Advanced in AI Audit exam preparation. We provide authentic practice tests for the AAIA exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual AAIA exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the AAIA exam.

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