



CDMP Exam Outlines July 2010

IS Core Exam Subject Outline

The IS Core examination covers a range of topics that are considered to be the knowledge required of every information systems and information technology professional today. There are no specific educational or experience requirements that must be met in order to take this examination, but an examinee that does not have a broad background in systems and technology, from either formal education or range of experience, typically will find it difficult to pass.

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|-------------------------------------------------|-----|
| 1. Information Technology Skills | 45% |
| 1.1 Software Development | |
| 1.2 Web Development | |
| 1.3 Database | |
| 1.4 Systems Integration | |
| 2. Organizational and Professional Skills | 20% |
| 2.1 Business Fundamentals | |
| 2.2 Individual and Team Interpersonal Skill | |
| 3. Strategic Organizational Systems Development | 35% |
| 3.1 Organizational Systems Development | |
| 3.2 Project Management | |

Data Management Core Exam Outline

The Data Management Core examination tests the data management professional's broad knowledge of the ten functions of the Data Management process as depicted in the DAMA-DMBOK. The functions include Data Governance, Data Architecture Management, Data Development, Data Operations Management, Data Security Management, Reference and Master Data Management, Data Warehousing and Business Intelligence Management, Document and Content Management, Meta-data Management, and Data Quality Management.

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|---------------------------------------------------|-----------------------|
| 1.0. Data Management Process | (5) Section 1 Total |
| 1.1 Concepts | (3) |
| 1.2 Data Roles | (2) |
| 2.0 Data Governance Function | (10) Section 2 Total |
| 2.1 Data Management Planning | (4) |
| 2.2 Data Management Control | (6) |
| 3.0 Data Architecture Management Function | (12) Section 3 Total |
| 3.1 Architecture Overview | (6) |
| 3.2 Enterprise Architecture Types & Techniques | (6) |
| 4.0 Data Development Function | (12) Section 4 Total |
| 4.1 Analyzing Information Requirements | (4) |
| 4.2 Data Model Components | (8) |
| 5.0 Data Operations Management Function | (8) Section 5 Total |
| 5.1 Database Support | (4) |
| 5.2 Data Technology Management | (4) |
| 6.0 Data Security Management Function | (8) Section 6 Total |
| 6.1 Data Security Principles | (4) |
| 6.2 Data Security Implementation | (4) |
| 7.0 Reference and Master Data Management Function | (8) Section 7 Total |



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7.1 Reference Data	(4)
7.2 Master Data Management	(4)
8.0 Data Warehousing and Business Intelligence Mgmt Function	(12) Section 8 Total
8.1 Data Warehousing	(8)
8.2 Business Intelligence	(4)
9.0 Document and Content Management Function	(5) Section 9 Total
9.1 Document / Records Management	(2)
9.2 Content Management	(3)
10.0 Meta-data Management Function	(5) Section 10 Total
10.1 Meta-data Concepts	(2)
10.2 Meta-data Management Implementation	(3)
11.0 Data Quality Management Function	(15) Section 11 Total
11.1 Data & Information Quality Principles	(5)
11.2 Data & Information Quality Profiling / Assessment / Audit	(5)
11.3 Data & Information Quality Improvement	(5)

Data Development Exam Subject Outline

The Data Development examination tests the data management professional's knowledge of data development activities as depicted in Chapter 5 of the DAMA-DMBOK. Topics range from data modeling analysis, design and solution (conceptual, logical and physical) to detailed data design, data model and design quality management, and data implementation.

1.0 Data Development Concepts and Technology Types	(17) Section 1 Total
1.3 Concepts	(12)
1.4 Tools and Technology Types	(5)
2.0 Data Analysis and Design	(60) Section 2 Total
2.1 Analyzing Information Requirements	(3)
2.2 Data Model / Design Components	(57)
3.0 Related Data Designs	(7) Section 3 Total
3.1 Information Product Designs	(2)
3.2 Data Access and Data Integration Services Designs	(5)
4.0 Data Model and Design Quality Management	(10) Section 3 Total
4.1 Data Model Design Standards, Versioning and Integration	(7)
4.2 Data Model / Database Design Reviews	(3)
5.0 Data Implementation	(6) Section 4 Total
5.1 Database Development and Testing	(4)
5.2 Database Deployment	(2)

Data Operations (DBA) Exam Subject Outline

The Data Operations (DBA) (beta) examination tests the data management professional's knowledge of theory and practices of both data operations (DAMA-DMBOK, Chapter 6) and data security (DAMA-DMBOK, Chapter 7). Topics include database support; DMBS environment; SQL considerations; data technology management; definition of data security policies, standards, controls and procedures; management of user access and behavior; classification of information confidentiality; and auditing data security.

1.0 Data Operations Management	(56) Section 1 Total
1.1 Database Support	(50)
1.2 Database Standards	(6)
2.0. SQL Considerations	(14) Section 5 Total



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2.1 SQL Basics	(2)
2.2. DDL - Data Definition Language	(2)
2.3. DML - Data Manipulation Language	(6)
2.4. DCL - Data Control Language	(2)
2.5. Data Dictionary (Systables)	(2)
3.0 Data Technology Management	(15) Section 3 Total
3.1 Planning, Evaluation and Selection	(9)
3.2 Implementing Data Technology	(6)
4.0 Data Security Management	(15) Section 3 Total
4.1 Data Security Principles	(8)
4.2 Data Security Implementation	(7)

Data and Information Quality Exam Subject Outline

The Data & Information Quality examination tests the candidate's knowledge of the theory and professional practices, associated with the quality of data and information. Topics include data and information quality concepts, process and roles; data and information quality audit process, data and information quality remediation; and data and information quality activities. Most of the topics are covered in DAMA-DMBOK, Chapter 12.

1.0 Data & Information Quality Concepts, Process & Roles	20%
1.1 Concepts and Business Drivers	(14)
1.2 Data & Information Quality Organizational Roles	(6)
2.0 Data & Information Quality Audit Process	30%
2.1 Data & Information Quality Assessment	(15)
2.2 Data Profiling Analysis	(15)
3.0. Data & Information Quality Remediation	30%
3.1 Cleanup Methods	(15)
3.2 Process Improvement	(15)
4.0 Ongoing Data & Information Quality Activities	20%
4.1 Data Certification Process	(15)
4.2 Data Governance Framework	(6)

Data Warehousing Exam Subject Outline

The Data Warehousing examination is designed to test the candidate's knowledge of the theory and practice of data warehousing from the warehouse infrastructure creation/maintenance, analysis/design, data acquisition/cleansing to implementation/operation. It also tests the knowledge of theory and practice of the data warehousing function, organizational skills required, and roles and responsibilities of the data warehousing professional within the enterprise. Many topics are covered in DAMA-DMBOK, Chapter 9.

1.0 Data Warehousing Management	(16) Section 1 Total
1.1 Data Warehousing Project	(5)
1.2 Data Warehousing Program	(8)
1.3 Data Warehousing Roles	(3)
2.0 Data Warehousing Infrastructure Architectures	(12) Section 3 Total
2.1 Enterprise Architectures for Warehouse Planning	(2)
2.2 Data Warehousing Architectures	(10)
2.0. Tools and Technology Types	(13) Section 5 Total
3.1. Data Warehousing	(7)
3.1 Business Intelligence	(6)
4.0 Data Warehousing Analysis	(11) Section 6 Total



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4.1 Requirements Analysis	(6)
4.2 Source Data Analysis	(5)
5.0 Warehousing Data Modeling and Database Design	(19) Section 7 Total
5.1 Model Types and Components	(13)
5.2 Data Modeling for the Data Warehouse	(6)
6.0 Data Integration	(11) Section 7 Total
6.1 ETL System Functionality	(5)
6.2 ETL and Alternative Data Integration Development	(6)
7.0 Other Warehousing Development Activities	(8) Section 8 Total
7.1 Warehousing Applications and Databases	(6)
7.2 Warehousing Training and Documentation	(2)
8.0 Implementation and Ongoing Activities	(10) Section 9 Total
8.1 Deployment	(2)
8.2 Ongoing Support and Maintenance	(8)

Business Intelligence and Analytics Exam Subject Outline

The Business Intelligence & Analytics examination is designed to test the candidate's knowledge of the concepts and practices for the effective use of data and information analysis to support management decision-making and to drive positive business results. The candidate will be tested on both business and technical topics including business intelligence concepts and roles, business management perspectives, analytics techniques and usage, and business intelligence/decision support systems lifecycle and technologies. Many topics are covered in DAMA-DMBOK, Chapter 9.

1.0 Business Intelligence Concepts & Roles	(10) Section 1 Total
1.1 Definitions and Business Drivers	
1.2 Business Intelligence in Organizational Roles	
2.0 Business Management Perspectives	(15) Section 2 Total
2.1 Business concepts principles and guidelines	
2.2 Performance Management	
2.3 Ongoing monitoring and controlling execution	
3.0 Analytics Techniques and Usage	(45) Section 3 Total
3.1 Modeling	
3.2 Business and Data Analysis	
3.3 Data Visualization Techniques	
3.4 Statistics	
3.5 Assessments	
3.6 Measurements and monitoring	
3.7 Decision making	
4.0 BI / DSS Lifecycle & Technologies	(30) Section 4 Total
4.1 Business Intelligence Lifecycle	
4.2 Front end business intelligence technologies	
4.3 Back end tools, applications and technologies	



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Zachman Enterprise Architecture Framework² Exam Outline

The Zachman Enterprise Architecture Framework² examination is designed to test the candidate's knowledge of the theory and practice of using the Zachman Framework² for Enterprise Architecture. Topics include concepts and roles, planning for the Framework, models analysis and development, and infrastructure management. Zachman Framework topics are covered in DAMA-DMBOK, Chapter 4.

1.0 Zachman Enterprise Architecture Framework Concepts and Roles	(15)
1.1 Zachman Framework Concepts	(13)
1.2 Zachman Framework Organizational Roles	(2)
2.0 Planning for Zachman Enterprise Architecture Framework	(18)
2.2 Initial Enterprise Architecture Effort	(10)
2.3 Ongoing Enterprise Architecture Programs / Initiatives	(8)
3.0 Zachman Framework Models Principles	(47)
3.1 Enterprise Architecture Fundamentals	(10)
3.2 Zachman Framework Models	(20)
3.3 Zachman Framework Perspectives	(17)
4.0 Zachman Framework Infrastructure Management	(20)
4.1 Standards and Rules	(15)
4.2 Model Management	(5)

Integrated IT Project Management Exam Outline

Integrated IT Project Management examination is designed to test the candidates' knowledge of Integrated IT Project Management theory and practices at a level of competency appropriate to the senior project management professional. This examination contains questions that are specific to the Integrated IT Project Management (IPM-IT) methodology, based on PMI-PMBOK standards, and Rational Unified Process (RUP) software development methodology.

1. Integrated IT Project Management (IPM-IT) FRAMEWORK	9%
1.1 Business Management	
1.2 Project Management	
1.3 Information Technology (IT) Management	
2. Business Management Model	11%
2.1 Program Business Systems Architecture	
2.2 Project value Justification	
2.3 Project Funding Allocations	
2.4 Project Deliverables/Funding Approvals	
2.5 Program Steering and Working Committee	
2.6 Business Initiatives Support	
3. Project Management Model	28%
3.1 IT Project Delivery Life Cycle	
3.2 IT Project Management Delivery Processes	
3.3 IT Project Management Office (PMO) Processes	
4. Information Technology (IT) Management Model	24%
4.1 Cost Estimating	
4.2 Resource Allocations	
4.3 Data Architecture	
4.4 Applications Architecture	



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- 4.5 Technology Architecture
- 4.6 Applications Support Services
- 5. Integrated IT Project Delivery Life Cycle Model 15%
 - 5.1 Definition Phase
 - 5.2 Requirements Analysis Phase
 - 5.3 Architecture Phase
 - 5.4 Iterative Development Phases
- 6. Aligning PMBOK Processes with RUP 13%
 - 6.1 Inception Phase
 - 6.2 Elaboration Phase
 - 6.3 Construction Phase
 - 6.4 Transition Phase