SPEA-V 369 – Managing Information Technology Exam 2 Practice (Sample)

Study Guide

Everything you need from our exam experts!

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- **Practice answering questions under realistic conditions,**
- **Improve accuracy and speed,**
- **Review explanations to strengthen weak areas, and**
- **Approach the exam with greater confidence.**

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here’s how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don’t just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There’s no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

1. What is a data warehouse?

- **A. A large data storage facility containing data on major aspects of the enterprise**
- **B. Combination of many different databases across an enterprise**
- **C. A collection of operational data sources**
- **D. A data mart for a single department**

2. Which statement best defines data mining?

- **A. Employs different technologies to search "nuggets" of information from data stored in a data warehouse**
- **B. A class of database applications that look for hidden patterns in a group of data that can be used to predict future behavior**
- **C. A method for data backup and archiving**
- **D. A technique for data encryption and security**

3. What does data ownership mean in an organizational context?

- **A. The act of having legal rights and complete control over a single piece or set of data elements.**
- **B. The process of backing up data.**
- **C. The responsibility to manage network infrastructure.**
- **D. Ownership lies with the software vendor.**

4. Which of the following is a data resource management function?

- **A. Maintenance of the ERP**
- **B. Developing social media campaigns**
- **C. Coding mobile apps**
- **D. Managing customer support tickets**

5. OSOT is a set of data modeling guidelines. What does the acronym OSOT stand for?

- **A. Objective, Scope, Outcome, Timing.**
- **B. Overview, Structure, Operation, Time.**
- **C. Optimization, Scale, Output, Threshold.**
- **D. Order, Size, Organization, Type.**

6. Which of the following is NOT a key function of a data administrator?

- **A. Developing a company's product roadmap.**
- **B. Tuning database management systems.**
- **C. Selection and evaluation of and training on database technology.**
- **D. Physical placement of databases on specific computes and storage devices.**

7. A supply chain management system is best described as which of the following?

- **A. Manages internal IT infrastructure and help desk requests.**
- **B. Handles distribution and transportation of materials across the supply chain and often connects suppliers and distributors.**
- **C. Provides web portals for internal employees to access documents.**
- **D. Performs accounting and payroll processing.**

8. What is an Executive Information System (EIS)?

- **A. Executive Information Systems**
- **B. External Information Systems**
- **C. Enterprise Information Systems**
- **D. Executive Information System**

9. Which item is a key function of a data administrator?

- **A. Tuning database management systems.**
- **B. Designing marketing campaigns.**
- **C. Managing payroll.**
- **D. Answering customer inquiries.**

10. Which statement best describes a perceptive system?

- **A. Machines possessing a visual and/or aural perceptual ability that affects their physical behavior**
- **B. A system for automated payroll processing**
- **C. A database optimization technique**
- **D. A text processing utility**

Answers

1. A
2. B
3. A
4. A
5. A
6. A
7. B
8. A
9. A
10. A

Explanations

1. What is a data warehouse?

A. A large data storage facility containing data on major aspects of the enterprise

B. Combination of many different databases across an enterprise

C. A collection of operational data sources

D. A data mart for a single department

A data warehouse is a centralized, enterprise-wide repository designed to support business analysis and reporting by integrating data from multiple sources over time. This makes it a large data storage facility containing data on major aspects of the enterprise, organized to be queried for decision support and historical analysis. The idea is to bring together data from various operational systems, clean and transform it, and store it in a single place so analysts can perform cross-functional queries and trend analyses. The other descriptions don't fit as well: a simple combination of many databases isn't centralized in a way that supports broad, cross-department analysis; a collection of operational data sources refers to the original source systems rather than a consolidated warehouse; and a data mart serves a single department, which is narrower than an enterprise-wide warehouse.

2. Which statement best defines data mining?

A. Employs different technologies to search "nuggets" of information from data stored in a data warehouse

B. A class of database applications that look for hidden patterns in a group of data that can be used to predict future behavior

C. A method for data backup and archiving

D. A technique for data encryption and security

Data mining is about discovering hidden patterns, relationships, and trends in large datasets and using what you find to inform predictions and decisions. The statement that describes it as a class of database applications that search for hidden patterns in data to predict future behavior best captures this idea, because the core goal is to reveal patterns and leverage them to forecast what might happen next. In practice, data mining often sits on top of data warehouses and uses techniques from statistics, machine learning, and pattern recognition to turn raw data into actionable insights. The other options miss the predictive quality or focus on activities like preserving, securing, or simply retrieving data, which are not what data mining is about.

3. What does data ownership mean in an organizational context?

A. The act of having legal rights and complete control over a single piece or set of data elements.

B. The process of backing up data.

C. The responsibility to manage network infrastructure.

D. Ownership lies with the software vendor.

Data ownership means having legal rights and accountability for data assets within an organization. It involves determining who has the authority to decide how data is collected, stored, used, shared, and ultimately disposed of. The data owner is responsible for governance aspects such as data quality, privacy, security, compliance with relevant laws, and setting access rules and retention policies. In practice, ownership sits with the business unit or role that relies on the data, and it often works in concert with data stewards (who manage metadata and quality) and data custodians (IT teams that handle storage and technical safeguards). This isn't about backing up data, managing the network, or outsourcing ownership to a software vendor—the owner bears the ultimate responsibility for how the data is governed and used.

4. Which of the following is a data resource management function?

A. Maintenance of the ERP

B. Developing social media campaigns

C. Coding mobile apps

D. Managing customer support tickets

Managing data resources means keeping essential data assets accurate, consistent, and accessible across the organization. Maintaining the ERP system directly supports that by ensuring master data (like customers, products, suppliers) and transactional data stay synchronized across departments, with proper data quality controls, security, and integration. This makes ERP maintenance the best example of a data resource management function because it centers on how data is stored, updated, and governed in the system that underpins many business processes. The other activities focus on different goals: marketing campaigns use data for outreach but aren't about managing data resources; developing mobile apps is software development; handling customer support tickets deals with service operations rather than data governance.

5. OSOT is a set of data modeling guidelines. What does the acronym OSOT stand for?

A. Objective, Scope, Outcome, Timing.

B. Overview, Structure, Operation, Time.

C. Optimization, Scale, Output, Threshold.

D. Order, Size, Organization, Type.

OSOT identifies a planning approach for data modeling by clarifying what you want to achieve, the boundaries of the work, the results the model should enable, and when it needs to be delivered. OSOT stands for Objective, Scope, Outcome, Timing. Objective focuses on the purpose of the model—the business problem you're solving and what success looks like. Scope sets the boundaries so you know what's in and out of scope, helping prevent scope creep. Outcome describes the measurable results or decisions the data model should support, linking the modeling work to tangible value. Timing places a schedule around the work, including milestones and deadlines to keep the effort on track. This sequence is effective because it keeps the modeling effort goal-driven, bounded, and time-bound, ensuring everyone agrees on what's being built and by when. The other option sets use terms that are more general or focused on performance or attributes, which don't align with the clear purpose, boundaries, and deliverables central to a well-defined data modeling project.

6. Which of the following is NOT a key function of a data administrator?

A. Developing a company's product roadmap.

B. Tuning database management systems.

C. Selection and evaluation of and training on database technology.

D. Physical placement of databases on specific computes and storage devices.

The main idea tested here is what duties fall under data administration versus broader business planning. A data administrator is focused on how data is stored, managed, and accessed, and on the technologies that support it. Tuning database management systems is about optimizing performance and behavior of the DBMS, which is a core data administration task. Selection and evaluation of database technology, along with training on that technology, involves choosing appropriate database tools and making sure people know how to use them—another fundamental data admin responsibility. The physical placement of databases on specific compute and storage devices deals with deployment and infrastructure considerations to ensure data is efficiently stored and retrieved. Developing a company's product roadmap, however, is a strategic business activity handled by product management or leadership. It determines what products to build, features to include, and timelines, which lies outside the scope of data administration. So the item that does not fit as a key data administrator function is the product roadmap development.

7. A supply chain management system is best described as which of the following?

A. Manages internal IT infrastructure and help desk requests.

B. Handles distribution and transportation of materials across the supply chain and often connects suppliers and distributors.

C. Provides web portals for internal employees to access documents.

D. Performs accounting and payroll processing.

The main idea is that a supply chain management system coordinates the flow of goods, information, and finances across the entire chain, linking suppliers, manufacturers, distributors, and retailers to plan, execute, and optimize distribution and transportation. This description fits because SCM systems are built to manage how materials move from suppliers to warehouses to customers, synchronize demand and supply, and improve visibility and efficiency across the network. They often integrate logistics planning, order fulfillment, inventory management, and supplier coordination, sometimes tying into ERP or warehouse systems to streamline operations. It's not about internal IT help desks, web portals for documents, or payroll and accounting—those describe IT service management, intranet/document access, or financial management, respectively, rather than the networked orchestration of materials and shipments across a supply chain.

8. What is an Executive Information System (EIS)?

A. Executive Information Systems

B. External Information Systems

C. Enterprise Information Systems

D. Executive Information System

An Executive Information System is a specialized tool for senior management that gives quick access to concise, relevant information drawn from both internal and external sources to support strategic decisions. It emphasizes high-level dashboards, key performance indicators, trends, and the ability to drill down when more detail is needed, all in an easy-to-use interface. The plural form is often used to describe this class of tools—Executive Information Systems—because it typically refers to a family of executive-oriented systems and dashboards rather than a single, standalone system. This setup helps executives monitor overall performance, spot exceptions, and respond to market conditions with timely insights. External data like market conditions and competitors, combined with internal metrics, is common to provide a complete view for top-level decision making. The other terms don't fit as well: "External Information Systems" isn't the standard label for this executive-focused class; "Enterprise Information Systems" refers to broad, organization-wide systems rather than the executive-centric viewpoint; and while some sources use the singular, the common practice in practice is to refer to the group of tools as Executive Information Systems.

9. Which item is a key function of a data administrator?

A. Tuning database management systems.

B. Designing marketing campaigns.

C. Managing payroll.

D. Answering customer inquiries.

The main idea is that a data administrator focuses on making the database system perform well and stay reliable. Tuning the database management system is central because it directly affects how fast data can be stored and retrieved, how efficiently queries run, and how resources like memory and disk I/O are used. This includes adjusting indexes, query plans, and DBMS configuration to reduce bottlenecks and improve overall performance, which keeps applications responsive and data available. Marketing design, payroll, and customer inquiries belong to other areas of the business—marketing, human resources/payroll, and customer support, respectively. They may use data, but they aren't the core responsibilities of someone who administers and optimizes the database system.

10. Which statement best describes a perceptive system?

A. Machines possessing a visual and/or aural perceptual ability that affects their physical behavior

B. A system for automated payroll processing

C. A database optimization technique

D. A text processing utility

Perceptive systems are those that sense the surrounding environment and use that information to guide their actions. The statement describes machines with visual and/or aural perceptual abilities that influence their physical behavior, which is exactly what perception-enabled systems do—they observe (see/hear) and then adjust how they move or act in response. This is different from tasks like payroll processing, database optimization, or text processing, which involve handling data or performing computations without sensing the world and altering behavior based on that input. An example is a robot that uses cameras and microphones to detect obstacles or sounds and then changes its path accordingly.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

https://speav369managingit2.examzify.com

We wish you the very best on your exam journey. You've got this!