

**WESTERN GOVERNORS
UNIVERSITY (WGU)
NURS5745 C790
FOUNDATIONS IN NURSING
INFORMATICS PRACTICE
EXAM (SAMPLE)
STUDY GUIDE**



**SAMPLE STUDY GUIDE
WITH LIMITED QUESTIONS**

**VISIT US ONLINE FOR
THE FULL VERSION STUDY GUIDE**

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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

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- 1. During which phase of the system development life cycle are new components and programs obtained?**
 - A. Analysis phase
 - B. Support phase
 - C. Implementation phase
 - D. Development phase
- 2. What is one effect of using standardized medical terminology in clinical practices?**
 - A. Increases documentation time
 - B. Decreases variability in patient care
 - C. Reduces the need for training
 - D. Limits patient engagement
- 3. What is interoperability in health information technology?**
 - A. The ability of different information systems to share and use data effectively
 - B. The requirement for data to be stored in a single database
 - C. The process of training staff on new systems
 - D. The exclusive use of one software across all platforms
- 4. What role does the chief information officer play when implementing a health information system?**
 - A. Data Analyst
 - B. Chair of the information steering committee
 - C. Lead Programmer
 - D. Nursing Coordinator
- 5. What principle from the STEEP model should guide the implementation of changes to reduce documentation duplication?**
 - A. Utilize narrative reports for better clarity
 - B. Incorporate patient feedback for process improvement
 - C. Use flow sheets to replace narrative documentation
 - D. Focus on increasing staff training sessions

- 6. What is the primary focus of nursing informatics?**
- A. Enhancing patient care through effective information use
 - B. Training nurses in technology
 - C. Improving hospital administration
 - D. Increasing patient volume
- 7. Why is change management important in implementing informatics solutions in nursing?**
- A. It increases the number of IT staff required
 - B. It navigates organizational resistance and ensures staff buy-in
 - C. It discourages feedback from employees
 - D. It promotes rigid adherence to outdated practices
- 8. What is the relevance of user-centered design in nursing informatics?**
- A. It prioritizes technology over user needs
 - B. It ensures informatics systems meet the needs and preferences of healthcare providers and patients
 - C. It simplifies systems to the detriment of user experience
 - D. It discourages feedback from users
- 9. In what way can mobile health applications contribute to nursing informatics?**
- A. By allowing healthcare providers to diagnose patients remotely
 - B. By empowering patients to manage their health and improving communication
 - C. By replacing traditional healthcare visits entirely
 - D. By centralizing all patient records
- 10. What is the purpose of the Logical Observation Identifier Names and Codes (LOINC) terminology?**
- A. To provide clinical observations and laboratory codes
 - B. To act as a nomenclature for pathology
 - C. To standardize nursing diagnoses
 - D. To ensure patient confidentiality in medical records

Answers

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

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Explanations

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1. During which phase of the system development life cycle are new components and programs obtained?

- A. Analysis phase
- B. Support phase
- C. Implementation phase**
- D. Development phase

The implementation phase of the system development life cycle is focused on acquiring and integrating new components and programs into the existing system. This phase involves deploying the system in the operational environment, where new software, hardware, and processes are put in place to ensure that the system functions as intended. During this time, the necessary technical infrastructure is established, and users are trained on new applications and systems. This phase serves as the critical point where all prior planning, design, and development work culminate in actionable steps. As the implementation progresses, verifying that these new components effectively meet user needs and system requirements becomes essential. Thus, it is during the implementation phase that the actual acquisition and installation of components occur to support the intended functionality of the system.

2. What is one effect of using standardized medical terminology in clinical practices?

- A. Increases documentation time
- B. Decreases variability in patient care**
- C. Reduces the need for training
- D. Limits patient engagement

Using standardized medical terminology in clinical practices effectively decreases variability in patient care, which is crucial for ensuring that patients receive consistent and high-quality treatment. Standardized terminology allows healthcare professionals to communicate clearly and precisely about patient conditions, treatments, and outcomes. This clarity reduces misunderstandings and discrepancies that can arise from using different terms or jargon, resulting in more uniform care across different providers and settings. By establishing a common language, standardized terminology promotes better coordination among healthcare teams and facilitates the sharing of information across different systems and platforms. This can lead to improved patient safety, as treatment protocols can be followed more reliably and outcomes can be more accurately measured. Therefore, the adoption of standardized medical terminology is essential in achieving consistency in clinical practice and enhancing overall patient care.

3. What is interoperability in health information technology?

- A. The ability of different information systems to share and use data effectively
- B. The requirement for data to be stored in a single database
- C. The process of training staff on new systems
- D. The exclusive use of one software across all platforms

Interoperability in health information technology refers to the ability of various information systems and devices to communicate, understand, and exchange data with one another effectively. This capability enables seamless data sharing across different health care systems, which is crucial for providing coordinated care and improving patient outcomes. Interoperability ensures that vital patient information can be accessed by various health care providers, regardless of the systems they use, facilitating better clinical decision-making and enhancing overall efficiency within health care environments. This concept is foundational in health informatics as it promotes the integration of diverse health data sources, allowing for comprehensive patient profiles and streamlined workflows. The other choices do not encompass the full scope of interoperability: storing data in a single database represents data centralization rather than connectivity; training staff focuses on user proficiency, and exclusive software usage limits the flexibility and adaptability of health information systems.

4. What role does the chief information officer play when implementing a health information system?

- A. Data Analyst
- B. Chair of the information steering committee
- C. Lead Programmer
- D. Nursing Coordinator

The chief information officer (CIO) plays a critical role in implementing a health information system, particularly by serving as the chair of the information steering committee. This position is instrumental in providing strategic direction and oversight for the organization's information technology initiatives. As chair of the steering committee, the CIO collaborates with key stakeholders, including clinical and administrative leaders, to set goals for the health information system that align with the overall business and clinical objectives of the organization. This role involves ensuring that the system meets the needs of users, complies with regulatory requirements, and leverages technology to improve patient care and operational efficiencies. The CIO also orchestrates the resources, budget, and timelines necessary for a successful implementation. By leading the steering committee, the CIO can address challenges, make informed decisions, and steer the project toward successful completion, thereby facilitating better communication and collaboration among departments and ensuring that the information system ultimately supports the organization's mission and enhances patient outcomes.

5. What principle from the STEEP model should guide the implementation of changes to reduce documentation duplication?

- A. Utilize narrative reports for better clarity
- B. Incorporate patient feedback for process improvement
- C. Use flow sheets to replace narrative documentation**
- D. Focus on increasing staff training sessions

Using flow sheets to replace narrative documentation aligns well with the STEEP model's emphasis on efficiency in healthcare processes. Flow sheets are designed to streamline and standardize data entry, which significantly reduces the chances of duplication that often arise from narrative reports. By moving toward structured data formats like flow sheets, healthcare providers can capture essential information more succinctly and consistently. This approach not only simplifies the documentation process but also enhances the legibility and interpretability of patient data, which can lead to more efficient communication among healthcare teams. The use of flow sheets minimizes redundancy by enabling quick updates and easy access to patient information without the verbose details often found in narrative documentation. This model facilitates timely decision-making and improves overall workflow in clinical settings, contributing to better patient care outcomes.

6. What is the primary focus of nursing informatics?

- A. Enhancing patient care through effective information use**
- B. Training nurses in technology
- C. Improving hospital administration
- D. Increasing patient volume

The primary focus of nursing informatics is on enhancing patient care through effective information use. This field integrates nursing science with information technology and data management to improve health outcomes. By leveraging informatics, healthcare professionals can analyze and utilize data to make informed decisions, streamline processes, and improve communication among stakeholders, ultimately leading to better patient safety and quality of care. The emphasis is on making relevant, timely information available to nurses and other healthcare providers, which is essential for making clinical decisions that directly impact patient care. The key aspect of nursing informatics is how data can be transformed into knowledge that improves health and supports better patient-centered care.

7. Why is change management important in implementing informatics solutions in nursing?

- A. It increases the number of IT staff required
- B. It navigates organizational resistance and ensures staff buy-in**
- C. It discourages feedback from employees
- D. It promotes rigid adherence to outdated practices

Change management is critical in implementing informatics solutions in nursing primarily because it helps navigate organizational resistance and ensures that staff buy-in is achieved. When new information systems or technologies are introduced, they can disrupt existing workflows and practices that staff have become accustomed to. Without effective change management, employees may feel threatened or overwhelmed, leading to resistance against the new system. By utilizing robust change management strategies, leaders can communicate the benefits of the new informatics solutions, provide necessary training, and involve staff in the implementation process. This approach fosters an environment where employees feel supported and valued, ultimately enhancing their willingness to adapt to the changes. Engaging staff in this way not only minimizes resistance but also promotes a more successful and sustainable transition to new practices that improve patient care and operational efficiency.

8. What is the relevance of user-centered design in nursing informatics?

- A. It prioritizes technology over user needs
- B. It ensures informatics systems meet the needs and preferences of healthcare providers and patients**
- C. It simplifies systems to the detriment of user experience
- D. It discourages feedback from users

User-centered design is essential in nursing informatics because it focuses on creating systems that are tailored to meet the specific needs and preferences of healthcare providers and patients. By prioritizing the user's perspective, this approach ensures that the technology is designed to support users in their daily tasks, enhancing their efficiency and effectiveness in providing care. When healthcare professionals and patients are involved in the design process, the resulting systems are more intuitive, user-friendly, and better aligned with the workflows and requirements of clinical environments. This alignment is crucial in promoting adoption, reducing errors, and ultimately improving patient outcomes. When systems are built with the user at the forefront, they are more likely to be embraced as valuable tools rather than obstacles to care delivery.

9. In what way can mobile health applications contribute to nursing informatics?

- A. By allowing healthcare providers to diagnose patients remotely
- B. By empowering patients to manage their health and improving communication**
- C. By replacing traditional healthcare visits entirely
- D. By centralizing all patient records

Mobile health applications significantly enhance nursing informatics by empowering patients to take an active role in managing their health and improving communication between healthcare providers and patients. These applications facilitate access to health information, enabling patients to track their symptoms, medications, and overall health metrics. By fostering a more engaged patient experience, mobile health applications can lead to better health outcomes and adherence to treatment plans, as patients become more informed and involved in their healthcare decisions. Additionally, the communication features included in many mobile health applications allow for seamless interaction between patients and healthcare professionals. This can include sending reminders, sharing health data, and receiving guidance, thus bridging the gap between clinical settings and patients' everyday lives. Overall, this empowerment and enhanced communication are fundamental to the principles of nursing informatics, which aims to improve patient care and health management through technology and data integration.

10. What is the purpose of the Logical Observation Identifier Names and Codes (LOINC) terminology?

- A. To provide clinical observations and laboratory codes**
- B. To act as a nomenclature for pathology
- C. To standardize nursing diagnoses
- D. To ensure patient confidentiality in medical records

The Logical Observation Identifier Names and Codes (LOINC) terminology serves a critical role in healthcare by providing a standardized system for identifying health measurements, observations, and laboratory results. It encompasses a comprehensive list of codes that assigns unique identifiers to a wide array of clinical observations and laboratory tests. This standardization allows for consistent reporting, sharing, and compiling of health information across different healthcare systems and settings, facilitating interoperability among electronic health records (EHRs). Through the use of LOINC codes, healthcare providers can communicate and aggregate data more effectively, ensuring that clinical findings and lab results are easily understood and accessible, no matter where the information is exchanged. The terminology enhances data accuracy, supports clinical research, and improves overall patient care by promoting clarity and coherence in health information management.

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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:

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

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