

CITI TRAININGS – RCR & AUTHORSHIP PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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. What most accurately describes the "reproducibility crisis"?**
 - A. It is a challenge isolated to experimental psychology.
 - B. It is a solution to enhance research integrity.
 - C. It is a problem that can potentially affect any research field.
 - D. It is primarily related to data analysis methods.
- 2. What is the primary responsibility of oversight bodies like an IRB or IACUC?**
 - A. To oversee financial operations of research
 - B. To ensure research collaboration
 - C. To determine compliance with regulatory requirements, including protection of research subjects
 - D. To assess research impact on society
- 3. What can be a consequence of research fraud for the scientific community?**
 - A. It leads to greater trust in scientific findings
 - B. It results in damaged reputations and mistrust in research
 - C. It has no effect on public perception of science
 - D. It encourages more researchers to engage in integrity
- 4. What potential ethical issues may arise in collaborative research?**
 - A. Uniformity in contribution across all authors
 - B. Disputes over authorship, data sharing, and credit for contributions
 - C. Standardized reporting methods
 - D. Strict adherence to funding guidelines
- 5. What is typically revealed to the reviewer in a single-blind peer review?**
 - A. The author's full credentials
 - B. The author's identity
 - C. The reviewer's comments
 - D. The peer review guidelines
- 6. Which of the following is true regarding academic-industry collaborations?**
 - A. The academic partner always owns the research data
 - B. The industry sponsor typically owns the data from research that it funds
 - C. Collaboration agreements are not necessary
 - D. Data ownership is always shared equally

- 7. What is typically the outcome if an inquiry finds sufficient grounds for an investigation into misconduct?**
- A. The review will be published
 - B. No further action is taken
 - C. An investigation is initiated
 - D. The author is automatically penalized
- 8. What is an essential component of effective mentorship in research?**
- A. Providing access to unpublished data only
 - B. Guiding researchers through ethical challenges
 - C. Minimizing discussions about RCR
 - D. Focusing solely on technical skills
- 9. According to this module, how is plagiarism defined?**
- A. Only ideas found in print are considered
 - B. Prominent phrases are exempt from consideration
 - C. It applies to both written and verbally communicated ideas
 - D. Original ideas need not have citations
- 10. What is a key benefit of taking RCR training?**
- A. Understanding institutional policies
 - B. Avoiding collaboration with colleagues
 - C. Gaining exclusive rights to research findings
 - D. Reducing ethical considerations in research

Answers

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

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Explanations

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1. What most accurately describes the "reproducibility crisis"?

- A. It is a challenge isolated to experimental psychology.
- B. It is a solution to enhance research integrity.
- C. It is a problem that can potentially affect any research field.**
- D. It is primarily related to data analysis methods.

The term "reproducibility crisis" refers to the growing recognition that many scientific studies, across various research fields, cannot be reliably reproduced or replicated. This issue is not confined to one specific area, such as experimental psychology; rather, it spans multiple disciplines, including medicine, biology, social sciences, and more. The crisis highlights the importance of rigorous methodologies, transparency in research practices, and the need for validation in scientific work to ensure that findings are not only valid in a single study but can be confirmed in subsequent experiments or analyses. As such, the correct description of the reproducibility crisis acknowledges its broad impact across all research fields, rather than limiting it to a single discipline or suggesting it is merely a secondary concern related to certain aspects of research methodologies.

2. What is the primary responsibility of oversight bodies like an IRB or IACUC?

- A. To oversee financial operations of research
- B. To ensure research collaboration
- C. To determine compliance with regulatory requirements, including protection of research subjects**
- D. To assess research impact on society

The primary responsibility of oversight bodies such as an Institutional Review Board (IRB) and an Institutional Animal Care and Use Committee (IACUC) is indeed to determine compliance with regulatory requirements, including the protection of research subjects. These bodies are established to ensure that research involving human subjects or animals is conducted ethically and in accordance with established guidelines and legal regulations. For human subjects, IRBs evaluate research proposals to protect participants from risks, ensure informed consent is obtained, and verify that the benefits of the research outweigh the potential harms. For research involving animals, IACUCs focus on ensuring humane treatment, proper care, and the ethical justification of research protocols involving animals. Oversight is critical to maintaining the integrity of research and safeguarding the welfare of participants, which is foundational in upholding public trust in scientific inquiry.

3. What can be a consequence of research fraud for the scientific community?

- A. It leads to greater trust in scientific findings
- B. It results in damaged reputations and mistrust in research**
- C. It has no effect on public perception of science
- D. It encourages more researchers to engage in integrity

Research fraud can have profound consequences for the scientific community, primarily resulting in damaged reputations and mistrust in research. When fraudulent practices come to light, they cast doubt on the validity of the findings produced, not only by the individuals involved but also by their associated institutions and the wider scientific field. This erosion of trust can have cascading effects, including decreased funding for research, skepticism from the public and policymakers, and a reluctance among researchers to collaborate or share data. The damage to reputation is two-fold: it impacts the individuals involved directly, who may face disciplinary actions, but it also tarnishes the credibility of the institutions and journals that published the work. As trust is foundational in science, any incident of fraud can create long-lasting repercussions, leading the community to be more cautious, questioning the integrity of future research unless proven otherwise. This understanding highlights the importance of maintaining ethical standards in research to preserve trust and ensure the continued progress of scientific inquiry.

4. What potential ethical issues may arise in collaborative research?

- A. Uniformity in contribution across all authors
- B. Disputes over authorship, data sharing, and credit for contributions**
- C. Standardized reporting methods
- D. Strict adherence to funding guidelines

In collaborative research, various ethical issues can emerge, particularly regarding authorship, data sharing, and recognition for contributions made by each member of the research team. These disputes can arise from differing expectations about who should be credited as an author and the criteria for authorship. Often, collaborative projects involve multiple contributors with varying degrees of involvement, and determining how to appropriately acknowledge each person's contribution can become contentious. Additionally, issues concerning data sharing are prevalent; team members may have differing opinions on how and when data should be shared, either within the research team or with outside parties. This can lead to misunderstandings or conflicts if not addressed transparently at the beginning of the project. By prioritizing clear communication about these aspects from the outset, collaborative research teams can mitigate potential ethical dilemmas and ensure that contributions are appropriately recognized and rewarded.

5. What is typically revealed to the reviewer in a single-blind peer review?

- A. The author's full credentials
- B. The author's identity**
- C. The reviewer's comments
- D. The peer review guidelines

In a single-blind peer review, the identity of the author is typically revealed to the reviewer, allowing the reviewer to evaluate the work with the context of knowing who is being published. This approach is designed to provide reviewers with sufficient background about the author's expertise and previous work, helping them provide a more informed critique. The anonymity allows for an easier assessment of the content without the pressure of bias against the author's identity, often resulting in a more constructive and honest evaluation. However, it is important to note that while the reviewers know the author's identity, the authors do not know who the reviewers are, which helps to maintain a level of impartiality in the review process. In contrast, the author's full credentials may not always be disclosed—reviewers might get relevant background but not necessarily all credentials. The reviewer's comments are part of the feedback given to the authors post-review, and peer review guidelines are generally not revealed to reviewers in a way that would identify individual authors.

6. Which of the following is true regarding academic-industry collaborations?

- A. The academic partner always owns the research data
- B. The industry sponsor typically owns the data from research that it funds**
- C. Collaboration agreements are not necessary
- D. Data ownership is always shared equally

In academic-industry collaborations, the industry sponsor generally has significant control over the research process, especially regarding the funding provided for the research. When industry sponsors finance a study, they often negotiate terms that grant them ownership of the data generated from that research. This reflects the interests of the company, as they may seek to protect proprietary information or leverage the results for commercial purposes. Having that ownership allows the sponsor to dictate how the data is used, including any further analysis, dissemination, or potential applications. This arrangement can also provide incentives for academic researchers since funding from industry can lead to novel research opportunities and financial support for academic work. In contrast, the other options misrepresent the typical dynamics of these collaborations. For example, academic partners may not always retain ownership of the data, collaboration agreements are essential to define the roles, responsibilities, and ownership rights between partners, and data ownership is rarely shared equally due to the varying contributions and stakes involved. Therefore, understanding these nuances highlights the special nature of industry-sponsored research and the implications for data ownership.

7. What is typically the outcome if an inquiry finds sufficient grounds for an investigation into misconduct?

- A. The review will be published
- B. No further action is taken
- C. An investigation is initiated**
- D. The author is automatically penalized

The correct answer indicates that when an inquiry reveals sufficient grounds for an investigation into potential misconduct, it typically leads to the initiation of a formal investigation. This step is crucial as it allows for a thorough examination of the allegations, gathering evidence, and determining the validity of the claims. An investigation can involve collecting documents, interviewing witnesses, and scrutinizing processes, ultimately aiming to ensure accountability and uphold ethical standards in research. This procedure is part of a systematic approach to address and resolve allegations of misconduct appropriately and fairly. Other outcomes, such as the review being published, taking no further action, or automatically penalizing the author, do not accurately describe the typical process following an inquiry. Instead, these scenarios overlook the necessary steps involved in ensuring a fair and just evaluation of the situation.

8. What is an essential component of effective mentorship in research?

- A. Providing access to unpublished data only
- B. Guiding researchers through ethical challenges**
- C. Minimizing discussions about RCR
- D. Focusing solely on technical skills

An essential component of effective mentorship in research is guiding researchers through ethical challenges. Mentorship goes beyond merely sharing technical skills and knowledge; it encompasses the development of the mentee's ability to navigate complex situations, including ethical dilemmas that may arise in research. Research often involves situations where ethical considerations are paramount, such as issues related to data integrity, human and animal subjects protections, and proper authorship practices. A mentor who provides guidance in these areas helps ensure that mentees understand the importance of ethical conduct and are prepared to face the ethical challenges they will encounter in their careers. This guidance fosters a culture of integrity and responsibility in research, which is essential for the advancement of science and the trustworthiness of research findings. In contrast, focusing solely on technical skills or minimizing discussions about Research Conduct and Research Ethics (RCR) overlooks the comprehensive role a mentor must play in shaping a well-rounded researcher. Additionally, providing access to unpublished data only limits the scope of mentorship and does not address the broader ethical context that is crucial for research integrity.

9. According to this module, how is plagiarism defined?

- A. Only ideas found in print are considered
- B. Prominent phrases are exempt from consideration
- C. It applies to both written and verbally communicated ideas**
- D. Original ideas need not have citations

Plagiarism is defined as the appropriation of someone else's ideas, processes, results, or words without giving appropriate credit. The correct understanding of plagiarism encompasses both written and verbally communicated ideas, which is why this definition holds. It recognizes that plagiarism is not confined to published works alone, but extends to any form of communication where someone's intellectual property is used without proper attribution. This understanding is crucial since it emphasizes the importance of giving credit to all sources of information, irrespective of the format in which it is presented. By including both written and oral forms, it highlights the ubiquity of ideas in various contexts, reinforcing the ethical duty to acknowledge others' contributions in all forms of communication.

10. What is a key benefit of taking RCR training?

- A. Understanding institutional policies**
- B. Avoiding collaboration with colleagues
- C. Gaining exclusive rights to research findings
- D. Reducing ethical considerations in research

A key benefit of taking RCR (Responsible Conduct of Research) training is that it provides an understanding of institutional policies. This training helps researchers and students navigate the ethical standards and guidelines that govern their work, ensuring compliance with relevant laws, regulations, and institutional expectations. By understanding these policies, researchers can better conduct their studies responsibly, promote integrity in their research, and foster a culture of ethical scholarship. Instrumental to this process is the knowledge of how to properly address issues like authorship, data management, and conflict of interest, which are critical to maintaining ethical research practices. Awareness of institutional policies also assists in safeguarding the researcher and institution against potential misconduct, ultimately benefiting the integrity of the research community as a whole.

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://cititrainingsrcrauthorship.examzify.com>

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

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