TECHNICIAN DEVELOPMENT PROGRAM I PRACTICE EXAM (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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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.

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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!

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Questions

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1. Which statement is FALSE regarding telephone etiquette?

A. Be mindful of pitch and tone

B. Answer all ringing calls within 3 rings

C. Set the receiver on the counter while you research a patient's request

D. Identify yourself by name and title, followed by "How may I help you?"

2. On a mechanical drawing, a hole callout of Ø10.0 ±0.1 means the hole diameter must be between which values?

A. Diameter between 9.9 mm and 10.1 mm.

B. Diameter exactly 10.0 mm.

C. Diameter between 9.5 and 10.5 mm.

D. Diameter with no tolerance specified.

3. Which schedule of controlled substances has the highest potential for abuse?

A. Acetaminophen with codeine #3 tablets (C-III)

B. Alprazolam 0.5 mg tablets (C-IV)

C. Adderall XR 15 mg capsule (C-II)

D. Acetaminophen with codeine 120 mg/12 mg per 5 mL oral solution (C-V)

4. Diphenhydramine (Benadryl) liquid; Sig: 1/2 tsp 3-4x/day for 7-10 days. What is the correct quantity to dispense?

A. 75 ml

B. 100 ml

C. 53 ml

D. 200 ml

5. Which of the following medications is available without a prescription?

A. Ibuprofen 200mg tablet (Non-legend)

B. Oxycodone 30mg tablet (Schedule II)

C. Hydrochlorothiazide 25mg tablet (Legend)

D. Clonazepam 0.5mg tablet (Schedule IV)

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6. Which listed medication is a skeletal muscle relaxant?

A. Lactulose

B. Alprazolam

C. Prednisone

D. Cyclobenzaprine

7. What determines the required arc-flash PPE level?

A. Worker's preference

B. Incident energy at the working boundary, determined by an arc-flash analysis

C. Tool type being used

D. Color of PPE

8. When "UG" appears on a prescription hardcopy, it means:

A. Until Gone

B. Unused Gallon

C. Every

D. Hour

9. What does the DMAIC cycle stand for in Six Sigma methodologies?

A. Define, Measure, Analyze, Improve, Control.

B. Discover, Monitor, Apply, Integrate, Convert.

C. Develop, Modify, Assess, Implement, Calibrate.

D. Define, Modify, Analyze, Integrate, Confirm.

10. Which OTC category would you find feminine products?

A. First aid

B. Feminine hygiene

C. Family planning

D. Foot care

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Answers

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

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Explanations

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1. Which statement is FALSE regarding telephone etiquette?

A. Be mindful of pitch and tone

B. Answer all ringing calls within 3 rings

C. Set the receiver on the counter while you research a patient's request

D. Identify yourself by name and title, followed by "How may I help you?"

Telephone etiquette in a professional setting focuses on delivering clear, courteous, and confidential communication. The best practice you want to see is handling calls in a calm, professional tone, answering promptly, and identifying yourself by name and title followed by "How may I help you?" to set the right expectations for the caller. So why is leaving the receiver on the counter while you research a patient's request not appropriate? It breaks the flow of the conversation and raises privacy concerns. With the receiver set down, you can't hear the caller clearly, which increases the chance of miscommunication, and it's easy for sensitive information to be overheard in nearby areas. The proper approach is to stay on the line and use a hands-free option or hold the call with the caller's consent, briefly explaining that you'll need to look something up and will return with the information, or arrange a callback or transfer as appropriate.

2. On a mechanical drawing, a hole callout of Ø10.0 ±0.1 means the hole diameter must be between which values?

A. Diameter between 9.9 mm and 10.1 mm.

B. Diameter exactly 10.0 mm.

C. Diameter between 9.5 and 10.5 mm.

D. Diameter with no tolerance specified.

A hole callout of Ø10.0 ±0.1 means the diameter can vary by up to 0.1 mm in either direction from the nominal size. So the acceptable range is 10.0 − 0.1 = 9.9 mm up to 10.0 + 0.1 = 10.1 mm. In other words, the hole must be between 9.9 mm and 10.1 mm in diameter. The other options either require an exact size, allow a much wider range, or imply no tolerance, which is not what Ø10.0 ±0.1 specifies.

3. Which schedule of controlled substances has the highest potential for abuse?

A. Acetaminophen with codeine #3 tablets (C-III)

B. Alprazolam 0.5 mg tablets (C-IV)

C. Adderall XR 15 mg capsule (C-II)

D. Acetaminophen with codeine 120 mg/12 mg per 5 mL oral solution (C-V)

The concept being tested is how scheduling reflects abuse potential. Among drugs with medical use, Schedule II carries the highest potential for abuse and dependence, with strict regulatory controls. Adderall XR is a stimulant containing amphetamine and is classified as Schedule II, so it has the highest abuse potential of the options listed. The other items are in lower schedules (Schedule III, IV, and V), which correspond to progressively lower abuse potential. Therefore, the stimulant in Schedule II is the one with the greatest potential for abuse.

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4. Diphenhydramine (Benadryl) liquid; Sig: 1/2 tsp 3-4x/day for 7-10 days. What is the correct quantity to dispense?

A. 75 ml

B. 100 ml

C. 53 ml

D. 200 ml

Calculating how much to dispense starts with converting the dose to a usable volume and then projecting the total use over the maximum allowed time. A half-teaspoon equals 2.5 mL. If the user takes it up to four times daily, that's 10 mL per day. For the longest suggested course of 10 days, that totals 100 mL. Dispensing 100 mL ensures there's enough medicine if the patient uses the higher end of the dosing range for the full duration. Shorter quantities would risk running out before the 7–10 day course ends.

5. Which of the following medications is available without a prescription?

A. Ibuprofen 200mg tablet (Non-legend)

B. Oxycodone 30mg tablet (Schedule II)

C. Hydrochlorothiazide 25mg tablet (Legend)

D. Clonazepam 0.5mg tablet (Schedule IV)

Regulatory status is what tells you whether a drug can be bought without a prescription. Ibuprofen at 200 mg sold as a non-legend product is formulated for over-the-counter use, so you can obtain it without a clinician's prescription in many regions. The other medications require a prescription because of how they're regulated: oxycodone is a Schedule II opioid with high abuse potential; hydrochlorothiazide is a prescription diuretic for conditions like high blood pressure; clonazepam is a benzodiazepine with dependence risk and is a Schedule IV controlled substance. So, the medication available without a prescription is the ibuprofen. Remember to use OTC meds according to label directions and be aware of safety considerations like dosing, stomach irritation, or kidney concerns.

6. Which listed medication is a skeletal muscle relaxant?

A. Lactulose

B. Alprazolam

C. Prednisone

D. Cyclobenzaprine

Medications that relieve skeletal muscle spasm work by dampening the nerve signals that drive excessive muscle contraction. Cyclobenzaprine is a central-acting skeletal muscle relaxant; it mainly acts in the brainstem to reduce tonic motor output, which relaxes muscles and eases pain from acute musculoskeletal conditions. It's typically used for short-term relief of acute muscle spasms rather than for chronic spasticity. Lactulose is an osmotic laxative and affects the gut, not muscle tone. Alprazolam is a benzodiazepine with anxiolytic effects; while it can cause some muscle relaxation, it's not classified as a skeletal muscle relaxant. Prednisone is a corticosteroid that reduces inflammation, not muscle relaxant. So the medication that fits the skeletal muscle relaxant role is cyclobenzaprine.

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7. What determines the required arc-flash PPE level?

A. Worker's preference

B. Incident energy at the working boundary, determined by an arc-flash analysis

C. Tool type being used

D. Color of PPE

The level of arc-flash PPE is determined by the energy the worker would be exposed to during an arc fault, as shown by an arc-flash analysis. That analysis uses detailed electrical-system data—like the available fault current, circuit impedances, equipment arrangement, and how quickly protective devices would clear the fault—to calculate the incident energy at the worker's working boundary. The PPE is then selected to withstand at least that amount of energy, ensuring adequate protection for the specific distance and task. It isn't based on personal preference, the tool being used, or the color of the gear. In practice, the incident energy from the analysis maps to a PPE level or category, guiding the appropriate suit, gloves, face shield, and other protective equipment. If the analysis shows higher energy at the working boundary, stronger PPE is required; lower energy means lighter protection, within the standard's minimums.

8. When "UG" appears on a prescription hardcopy, it means:

A. Until Gone

B. Unused Gallon

C. Every

D. Hour

When a prescription includes a shorthand like UG, it is signaling how long the patient should use the medication based on the amount dispensed. UG stands for "until gone," meaning you continue using the medication until the entire supply is finished, regardless of the number of days that implies. This is different from instructions that specify a set number of days or a specific dosing schedule that ends after a fixed time. This concept hinges on the relationship between quantity and duration: the instruction directs you to use everything provided, not to stop after a predetermined date. In practice, using something until it's gone can be appropriate for certain topical or patient-directed therapies, but for other medicines (like many antibiotics), clinicians often choose a fixed duration to support safety and effectiveness. The other options don't represent a standard directive you'd find on a prescription. They don't describe instructions based on finishing the supply, nor do they align with common time-based directions used in dosing.

9. What does the DMAIC cycle stand for in Six Sigma methodologies?

A. Define, Measure, Analyze, Improve, Control.

B. Discover, Monitor, Apply, Integrate, Convert.

C. Develop, Modify, Assess, Implement, Calibrate.

D. Define, Modify, Analyze, Integrate, Confirm.

The main concept being tested is the DMAIC cycle as the structured, data-driven problem solving sequence used to improve existing processes. In Define, you clarify the problem, set goals, outline the project scope, and capture customer requirements. In Measure, you establish how the process currently performs by collecting reliable data and mapping the current state. In Analyze, you examine the data to identify root causes of variation or defects. In Improve, you design and implement solutions to address those root causes and validate their effectiveness. In Control, you establish monitoring, documentation, and control plans to sustain the gains and prevent regression over time. The other options use terminology or an order that doesn't align with Six Sigma's standard cycle, so they don't accurately describe the framework.

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10. Which OTC category would you find feminine products?

A. First aid

B. Feminine hygiene

C. Family planning

D. Foot care

Understanding OTC categories means grouping products by what they're used for. Items used for menstrual care are categorized as feminine hygiene because they address daily personal hygiene specific to the female reproductive area. This category includes pads, tampons, panty liners, wipes, and similar products. The other options cover different needs: first aid for treating injuries, family planning for contraception and pregnancy testing, and foot care for products related to feet. So feminine hygiene is the correct category for feminine products.

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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:

https://techniciandevprogram1.examzify.com

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

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