

PCA YOUNGSTER SPRING PRACTICE TEST (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.

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. The 60mm Mortar has an effective range of 3,500 meters. Which option is correct?**
 - A. 4,500 m
 - B. 3,500 m
 - C. 2,500 m
 - D. 5,500 m

- 2. What occurred in Israel in April 2024?**
 - A. Israel conducted airstrikes against Iran.
 - B. Iran struck Israel with 300 drones, and Israel responded with an airstrike.
 - C. A ceasefire was signed with no fighting.
 - D. Israel attacked Iran with ballistic missiles.

- 3. What is the maximum range of the M240B Medium Machine Gun?**
 - A. 3725m
 - B. 1800m
 - C. 2500m
 - D. 5000m

- 4. Which missile is described as the carrier killer missile?**
 - A. Dong Feng 21 missile
 - B. YJ-18 missile
 - C. YJ-12 missile
 - D. Dong Feng 26 missile

- 5. Which leaders forged the strategic partnership between the United States and Russia in the 1990s?**
 - A. Barack Obama and Dmitry Medvedev
 - B. George W. Bush and Vladimir Putin
 - C. Bill Clinton and Boris Yeltsin
 - D. Ronald Reagan and Mikhail Gorbachev

- 6. How many rounds can the M32A1 fire in 3 seconds?**
- A. 10 rounds in 5 seconds
 - B. 4 rounds in 2 seconds
 - C. 6 rounds in 3 seconds
 - D. 8 rounds in 4 seconds
- 7. Which statement describes a central aspect of space mission Nuclear Detonation Detection?**
- A. Provide surveillance coverage of critical regions
 - B. Provide weather forecasts
 - C. Monitor civilian communications
 - D. Track commercial satellites
- 8. Where is Isis located?**
- A. Syria
 - B. Iraq
 - C. Iran
 - D. Jordan
- 9. Which is a troop-carrying capacity listed for the MTVR?**
- A. 2-4 Troops
 - B. 8-12 Troops
 - C. 16-20 Troops
 - D. 25-30 Troops
- 10. What is the M32A1's area target effective range?**
- A. Area TGT 400m
 - B. Point TGT 250m
 - C. Area TGT 250m
 - D. Point TGT 400m

Answers

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

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Explanations

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1. The 60mm Mortar has an effective range of 3,500 meters. Which option is correct?

- A. 4,500 m
- B. 3,500 m**
- C. 2,500 m
- D. 5,500 m

Effective range is the distance over which a weapon can be expected to hit targets with reliable accuracy. The problem states the mortar's effective range as 3,500 meters, so the distance that matches this specification is 3,500 meters. The other distances are either farther than the effective range (4,500 m and 5,500 m) or shorter than it (2,500 m), so they don't reflect the given effective capability. Therefore, the correct choice is 3,500 meters.

2. What occurred in Israel in April 2024?

- A. Israel conducted airstrikes against Iran.
- B. Iran struck Israel with 300 drones, and Israel responded with an airstrike.**
- C. A ceasefire was signed with no fighting.
- D. Israel attacked Iran with ballistic missiles.

Drones changing how conflicts unfold between Iran and Israel is exactly what was seen in April 2024. Iran launched a large drone attack against Israel, reportedly hundreds of drones, showing a bold use of unmanned aircraft to strike. In response, Israel carried out airstrikes targeting Iranian assets. This sequence—a substantial Iranian drone assault followed by Israeli retaliation with an airstrike—fits the events of that month. The other options don't match what was reported then: there wasn't a lasting ceasefire with no fighting, and the notable action was the drone attack and subsequent Israeli strike, not Israel using ballistic missiles against Iran.

3. What is the maximum range of the M240B Medium Machine Gun?

- A. 3725m**
- B. 1800m
- C. 2500m
- D. 5000m

Ballistic range limits determine how far a bullet can travel before it hits the ground. For the M240B firing a 7.62x51mm NATO round, that maximum distance is about 3,725 meters. This is the furthest the bullet could travel in a theoretical trajectory, ignoring terrain or obstacles. The other numbers reflect practical engagement ranges you'd use in combat, where factors like trajectory, wind, and visual sighting reduce effective hitting distance. So the farthest the round can travel is around 3.7 kilometers, making that option the best match.

4. Which missile is described as the carrier killer missile?

A. Dong Feng 21 missile

B. YJ-18 missile

C. YJ-12 missile

D. Dong Feng 26 missile

The phrase "carrier killer" describes weapons designed to threaten aircraft carriers at sea, especially missiles that can reach carriers from long distances and strike with a heavy warhead. The Dongfeng-21 family is tied to this idea, with the anti-ship variant known for aiming at ships far out at sea, which is why it's described as a carrier killer. The other missiles listed are primarily different types: YJ-18 is a submarine-launched anti-ship cruise missile, YJ-12 is a fast air-to-surface (often used against ships in other roles), and Dongfeng-26 is a different ballistic system not commonly labeled as the carrier killer. So the Dongfeng-21 matches the description.

5. Which leaders forged the strategic partnership between the United States and Russia in the 1990s?

A. Barack Obama and Dmitry Medvedev

B. George W. Bush and Vladimir Putin

C. Bill Clinton and Boris Yeltsin

D. Ronald Reagan and Mikhail Gorbachev

The main idea being tested is recognizing which leaders were at the helm of the major U.S.–Russia partnership during the 1990s, a period when both countries worked to redefine their relationship after the Soviet Union's collapse. The pairing that best fits is Bill Clinton and Boris Yeltsin. Under their leadership, the United States and Russia moved toward closer cooperation on Russia's transition to a market economy, political reform, and arms-control efforts, helping to shape a new security framework in the post–Cold War era. This cooperation included efforts to stabilize Russia, foster gradual reforms, and pursue agreements that reduced nuclear dangers, reflecting a deliberate push for partnership during that decade. The other duos span different times: Reagan and Gorbachev were pivotal in the late 1980s' thaw rather than the 1990s partnership; Bush with Putin began in the 2000s with a different dynamic; Obama and Medvedev emerged in the late 2000s.

6. How many rounds can the M32A1 fire in 3 seconds?

A. 10 rounds in 5 seconds

B. 4 rounds in 2 seconds

C. 6 rounds in 3 seconds

D. 8 rounds in 4 seconds

This question tests rate of fire and proportional timing. If the weapon fires at a steady rate of two rounds per second, then in three seconds you'd fire $2 \times 3 = 6$ rounds. The statement that 6 rounds occur in three seconds matches this calculation, so it's the best answer. The other options describe the same rate but over different time spans, so they don't answer how many rounds in exactly three seconds.

7. Which statement describes a central aspect of space mission Nuclear Detonation Detection?

- A. Provide surveillance coverage of critical regions**
- B. Provide weather forecasts
- C. Monitor civilian communications
- D. Track commercial satellites

Detecting nuclear detonations from space is about watching for explosions anywhere around Earth so authorities can verify treaties and respond quickly. Space-based detectors look for the telltale signals of a nuclear blast—high-energy photons and neutrons, plus other atmospheric or electromagnetic effects—so a detonation can be identified from orbit. The essential goal is to provide surveillance coverage of critical regions, ensuring that events in key areas are detected promptly and location, time, and magnitude can be analyzed. Other tasks like weather forecasting, monitoring civilian communications, or tracking commercial satellites are not what this mission focuses on, making the coverage of critical regions the best description of its central activity.

8. Where is Isis located?

- A. Syria
- B. Iraq**
- C. Iran
- D. Jordan

Isis, or the Islamic State, grew out of the Iraqi insurgency after the 2003 invasion and established its strongest base in northern Iraq, with Mosul as a key early stronghold. Although it later expanded into Syria and declared a caliphate across both countries, its origin and initial center of power are most closely tied to Iraq. The other countries listed are not where the group formed or had its main base, and while Syria became a major arena later, Iraq is the best fit for where Isis is located in terms of its origins and early strength.

9. Which is a troop-carrying capacity listed for the MTRV?

- A. 2-4 Troops
- B. 8-12 Troops
- C. 16-20 Troops**
- D. 25-30 Troops

Troop-carrying capacity relates to how many soldiers a vehicle can transport in one trip. The MTRV is built to move a squad-sized group, with a two-person crew (driver and commander) and space inside the troop compartment for a sizable number of troops. In practice, that troop space is typically sixteen to twenty troops, which lines up with how infantry units organize and move together in a single vehicle. That range fits the vehicle's seating layout and safety considerations while still keeping gear and space practical for travel. The other options reflect too small or too large a load for one MTRV to carry comfortably and safely, whereas sixteen to twenty is the standard fit for a single vehicle.

10. What is the M32A1's area target effective range?

A. Area TGT 400m

B. Point TGT 250m

C. Area TGT 250m

D. Point TGT 400m

Area targets are engaged by saturating a larger space with the grenade's blast and fragmentation, so the M32A1 is designed to be effective at a longer range when targeting an area. The standard figure for an area target with this weapon is 400 meters, reflecting the range where the blast effects can cover a broader area. Point targets, by contrast, rely on aiming accuracy for a precise hit and are effectively engaged at about 250 meters. So the statement that the area target effective range is 400 meters is the best match.

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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://pcayoungsterspring.examzify.com>

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

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