

PRE-SOLO WRITTEN PRACTICE EXAM (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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THE FULL VERSION STUDY GUIDE

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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	5
Answers	8
Explanations	10
Next Steps	15

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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 documents must be on board when flying solo?

- A. Airworthiness certificate and pilot logbook
- B. Airworthiness certificate, registration, operation handbook, and weight/balance info
- C. Flight manual and maintenance records
- D. Insurance documents and aircraft manuals

2. What characterizes a "hard" IFR condition?

- A. Clear skies with high visibility
- B. Visibility below 1 mile or cloud ceilings below 1,000 feet
- C. Sunny weather with no clouds
- D. Visibility over 10 miles

3. What action should a pilot take if their flight plan is compromised?

- A. Adjust the flight plan and continue without notifying anyone
- B. Report to air traffic control and update the flight plan
- C. Cancel the flight altogether
- D. Fly the original route without change

4. What flap setting should be utilized for short/soft field landing?

- A. 0 degrees
- B. 10 degrees
- C. 20 degrees
- D. 40 degrees

5. What is the 'S-Turn' maneuver?

- A. A climbing turn followed by a descent
- B. A flight maneuver involving two turns in opposite directions while maintaining altitude
- C. A series of straight flight paths with minor corrections
- D. A maneuver to decelerate the aircraft during descent

- 6. Which of the following actions is essential before a flight?**
- A. Ignoring the weather for preparation
 - B. Performing a preflight inspection
 - C. Checking personal gear only
 - D. Using an unverified flight plan
- 7. What type of visibility is required for a student pilot to fly under VFR conditions during the day?**
- A. 1 statute mile
 - B. 3 statute miles
 - C. 5 statute miles
 - D. 2 statute miles
- 8. What should a pilot do if they suspect carburetor ice has formed?**
- A. Reduce throttle
 - B. Apply carburetor heat
 - C. Increase altitude
 - D. Switch fuel type
- 9. What is the significance of a NOTAM?**
- A. It is a signal for emergency landing
 - B. It provides important information about changes in the status of navigational aids, airfields, etc.
 - C. It indicates weather conditions
 - D. It serves as a warning for other aircraft
- 10. What does the acronym TOMATO/FLAMES represent?**
- A. A list of required equipment for night flight
 - B. A mnemonic for emergency frequencies
 - C. A guideline for maintenance checks
 - D. A mnemonic for required equipment for VFR flight

Answers

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

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Explanations

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1. What documents must be on board when flying solo?

- A. Airworthiness certificate and pilot logbook
- B. Airworthiness certificate, registration, operation handbook, and weight/balance info**
- C. Flight manual and maintenance records
- D. Insurance documents and aircraft manuals

When flying solo, it is crucial to have certain documents on board to ensure compliance with regulations and to guarantee safety. The correct answer includes the airworthiness certificate, registration, operation handbook, and weight/balance information. The airworthiness certificate confirms that the aircraft meets safety standards and is approved for flight. The registration document verifies that the aircraft is properly registered with the appropriate aviation authority. The operation handbook provides essential information about the aircraft's systems, performance limitations, and procedures, which is vital for safe operation. Furthermore, weight and balance information is crucial for ensuring the aircraft is loaded within specified limits, which affects performance characteristics and safety during flight. Having these documents on board is not just a regulatory requirement; it also promotes safe flying practices, as they provide important information necessary to operate the aircraft effectively and responsibly. The inclusion of these specific documents ensures that the pilot can make informed decisions while alone in flight.

2. What characterizes a "hard" IFR condition?

- A. Clear skies with high visibility
- B. Visibility below 1 mile or cloud ceilings below 1,000 feet**
- C. Sunny weather with no clouds
- D. Visibility over 10 miles

Hard IFR conditions are primarily characterized by significant restrictions on visibility and cloud ceilings. Specifically, visibility below 1 mile or cloud ceilings below 1,000 feet indicates an environment where pilots cannot maintain visual reference to the ground or other landmarks, necessitating reliance on instruments for navigation and control of the aircraft. This creates challenging flight conditions that require pilots to adhere to Instrument Flight Rules (IFR) to ensure safety. In contrast, clear skies with high visibility, sunny weather with no clouds, or visibility over 10 miles are indicative of VFR (Visual Flight Rules) conditions, which allow pilots to fly based on visual reference rather than solely relying on instruments. For safe flight operations, understanding the distinction between hard IFR conditions and these other weather scenarios is crucial for effective decision-making in the cockpit.

3. What action should a pilot take if their flight plan is compromised?

- A. Adjust the flight plan and continue without notifying anyone
- B. Report to air traffic control and update the flight plan**
- C. Cancel the flight altogether
- D. Fly the original route without change

When a pilot's flight plan is compromised, the appropriate action is to report to air traffic control and update the flight plan. This is essential because air traffic control relies on accurate and current information to provide safe and efficient guidance to aircraft in the airspace. By notifying air traffic control of any changes, the pilot ensures that they receive the necessary clearances and instructions to maintain flight safety and prevent any potential conflicts with other aircraft. Adjusting the flight plan without notifying anyone could lead to hazardous situations, as air traffic control would not have updated information on the aircraft's intentions. Canceling the flight altogether may not be necessary unless the situation is severe or safety is at risk, and flying the original route without change could also pose dangers if conditions or circumstances have altered significantly since the original plan was filed. Therefore, the best practice is to communicate the changes with air traffic control to maintain the highest level of situational awareness and safety.

4. What flap setting should be utilized for short/soft field landing?

- A. 0 degrees
- B. 10 degrees
- C. 20 degrees
- D. 40 degrees**

For short and soft field landings, utilizing a flap setting of 40 degrees is appropriate because it maximizes lift and reduces stall speed, allowing for a steeper approach angle and improved control during landing. This flap configuration helps to create additional drag, which leads to a lower touchdown speed and a shorter required landing distance. When landing on short or soft fields, the goal is to touch down as soon as possible and stay within a confined space, making 40 degrees of flap an effective choice. This setting helps to ensure that the aircraft can fly at a slower speed while maintaining lift, allowing for a safer landing on uneven or unpaved surfaces. Using a lower flap setting, such as 0, 10, or 20 degrees, would not provide the same level of lift enhancement or drag needed to achieve the desired steep descent and slower approach speed required for these types of landings. Flaps are critical in managing the aircraft's performance during this specific landing scenario.

5. What is the 'S-Turn' maneuver?

- A. A climbing turn followed by a descent
- B. A flight maneuver involving two turns in opposite directions while maintaining altitude**
- C. A series of straight flight paths with minor corrections
- D. A maneuver to decelerate the aircraft during descent

The 'S-Turn' maneuver involves performing two turns in opposite directions while maintaining altitude. This technique is primarily used to practice coordination, control, and awareness of the aircraft's orientation and position relative to the ground. The goal is to fly a ground track that resembles the letter "S," thereby helping pilots develop proficiency in managing the aircraft during changes in direction while ensuring altitude is held consistently. This maneuver also enhances a pilot's ability to understand wind effects, as it requires adjusting for wind drift during the turns to maintain the intended flight path. Practicing S-Turns is beneficial for pilots to improve their handling skills in varied flight conditions.

6. Which of the following actions is essential before a flight?

- A. Ignoring the weather for preparation
- B. Performing a preflight inspection**
- C. Checking personal gear only
- D. Using an unverified flight plan

Performing a preflight inspection is crucial before any flight as it ensures the safety and airworthiness of the aircraft. This thorough examination includes checking the exterior, interior, and systems of the aircraft to confirm that everything is functioning properly and meets required safety standards. During this inspection, pilots look for any signs of damage, corrosion, or issues that could affect the flight. Additionally, a preflight inspection allows pilots to familiarize themselves with the aircraft's condition, ensuring that all required documentation is available and that fuel levels, control surfaces, and safety equipment are in place and operational. Properly conducting this inspection helps to significantly reduce the likelihood of incidents related to mechanical failure or oversight, thereby promoting safe flying practices.

7. What type of visibility is required for a student pilot to fly under VFR conditions during the day?

- A. 1 statute mile
- B. 3 statute miles**
- C. 5 statute miles
- D. 2 statute miles

For a student pilot to fly under Visual Flight Rules (VFR) during the day, the required visibility is 3 statute miles. This standard is set to ensure that pilots can adequately see other aircraft and ground features, which is crucial for safety during flight. The visibility requirement supports the principle of maintaining visual separation from other aircraft and navigating effectively under visual conditions. In VFR operations, having sufficient visibility allows student pilots to avoid obstacles, recognize weather changes, and make informed decisions. Therefore, the 3 statute miles visibility requirement is not only a regulatory standard but also serves to enhance situational awareness for pilots operating under visual flight rules.

8. What should a pilot do if they suspect carburetor ice has formed?

- A. Reduce throttle
- B. Apply carburetor heat**
- C. Increase altitude
- D. Switch fuel type

When a pilot suspects that carburetor ice has formed, the appropriate and most effective action to take is to apply carburetor heat. Carburetor ice typically forms when moisture in the air freezes within the carburetor, disrupting the proper fuel-air mixture and potentially leading to engine performance issues or even a loss of power. Applying carburetor heat warms the air entering the carburetor by routing it through a heated duct, which helps to melt any ice that has formed. This allows the engine to function properly as it restores the correct fuel-air mixture. It is crucial to apply the carburetor heat as soon as ice formation is suspected, especially during conditions conducive to icing, such as humid air at low temperatures. While reducing throttle might temporarily reduce the engine load and might help alleviate some symptoms, it does not address the root cause of carburetor ice and might lead to further complications. Increasing altitude would not rectify the ice problem and could potentially exacerbate the situation, especially at lower temperatures. Switching fuel type is not a practical solution to carburetor ice, as it does not eliminate the existing ice or prevent its formation in the carburetor. Understanding and recognizing the proper response to the formation of carburetor ice

9. What is the significance of a NOTAM?

- A. It is a signal for emergency landing
- B. It provides important information about changes in the status of navigational aids, airfields, etc.**
- C. It indicates weather conditions
- D. It serves as a warning for other aircraft

The significance of a NOTAM (Notice to Airmen) lies in its role in ensuring the safety and efficiency of flight operations. NOTAMs provide critical information regarding changes in the status of navigational aids, airfields, and any other significant information that could affect flight operations. This can include runway closures, changes in airspace, or the unavailability of navigational aids. Pilots are required to review NOTAMs as part of their pre-flight planning to ensure they are aware of any factors that could impact their flight. Understanding the content of NOTAMs is essential for making informed decisions during flight operations, thereby enhancing safety in aviation. While the other options may touch on aspects of flight safety, they don't encompass the primary purpose of a NOTAM, which is specifically to relay important operational information related to navigation and airfield conditions.

10. What does the acronym TOMATO/FLAMES represent?

- A. A list of required equipment for night flight
- B. A mnemonic for emergency frequencies
- C. A guideline for maintenance checks
- D. A mnemonic for required equipment for VFR flight**

TOMATO/FLAMES is a mnemonic that helps pilots remember the required equipment for Visual Flight Rules (VFR) flight. Each letter stands for a specific piece of equipment or requirement essential for a pilot operating under VFR. The acronym breaks down as follows: - T – Tachometer - O – Oil pressure gauge - M – Manifold pressure gauge - A – Altimeter - T – Temperature gauge (for liquid-cooled engines) - O – Oil temperature gauge - F – Fuel gauge - L – Landing gear position indicator (if applicable) - A – Airspeed indicator - M – Magnetic compass - E – Emergency equipment (such as a first aid kit) - S – Safety belts. Understanding this acronym is crucial for pilots to ensure they have the necessary equipment before embarking on a flight, as it helps to ensure safety and compliance with FAA regulations. Thus, recognizing TOMATO/FLAMES as a guideline for required equipment for VFR flight reinforces essential knowledge for pilots preparing for solo operations.

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://presolowritten.examzify.com>

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

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