

# ATPL Intensive Program (IP) Practice Exam (Sample)

## Study Guide



**Everything you need from our exam experts!**

**Copyright © 2026 by Examzify - A Kaluba Technologies Inc. product.**

**ALL RIGHTS RESERVED.**

**No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.**

**Notice: Examzify makes every reasonable effort to obtain accurate, complete, and timely information about this product from reliable sources.**

**SAMPLE**

# Table of Contents

<b>Copyright</b> .....	<b>1</b>
<b>Table of Contents</b> .....	<b>2</b>
<b>Introduction</b> .....	<b>3</b>
<b>How to Use This Guide</b> .....	<b>4</b>
<b>Questions</b> .....	<b>5</b>
<b>Answers</b> .....	<b>8</b>
<b>Explanations</b> .....	<b>10</b>
<b>Next Steps</b> .....	<b>16</b>

SAMPLE

# 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

SAMPLE

- 1. When approaching the CLE VOR at 050°, what type of entry will the aircraft make into the standard holding pattern with an inbound track of 270°?**
  - A. Direct or parallel**
  - B. Direct**
  - C. Parallel**
  - D. Offset**
  
- 2. What is one of the key requirements for RNP?**
  - A. Continuous flight path monitoring.**
  - B. Regular maintenance checks.**
  - C. Real-time weather updates.**
  - D. In-flight refueling capabilities.**
  
- 3. What is the standard Vertical Separation Minimum (VSM) for aircraft flying in the same direction above FL290?**
  - A. 3000 ft**
  - B. 1500 ft**
  - C. 4000 ft**
  - D. 2000 ft**
  
- 4. Select the true statement about horizontal wind shear.**
  - A. A change of the horizontal vector with horizontal distance, determined by two or more anemometers located on the same height along the runway.**
  - B. A change of vertical vector with horizontal distance, determined by two or more anemometers at the same height along the runway.**
  - C. A change of the horizontal vector with height, determined by anemometers at different heights.**
  - D. A change of vertical vector with height, determined by anemometers at different heights.**
  
- 5. What point is used for measuring moment (balance) arms?**
  - A. The centre of gravity of the aeroplane.**
  - B. The focal point.**
  - C. The axis.**
  - D. The datum.**

- 6. During a warm front passage, which phenomenon might you expect first if experiencing a weather change?**
- A. Strong winds.**
  - B. Heavy precipitation.**
  - C. Hazy skies.**
  - D. Rapid temperature drop.**
- 7. When can low level vertical windshear typically be expected?**
- A. And early morning only in summer.**
  - B. In unstable atmospheres.**
  - C. And early morning only in winter.**
  - D. In association with radiation inversions.**
- 8. What data does an INS provide when its navigation function is inoperative and the control switch is set to ATT?**
- A. Attitude and ground speed.**
  - B. Attitude, TAS and heading.**
  - C. Attitude and heading.**
  - D. Ground speed and heading.**
- 9. When the angle of attack of an aerofoil decreases, which of the following statements is true regarding the stagnation point and the point of lowest static pressure?**
- A. 1 is correct, 2 is correct**
  - B. 1 is correct, 2 is incorrect**
  - C. 1 is incorrect, 2 is incorrect**
  - D. 1 is incorrect, 2 is correct**
- 10. What does the pack cooling fan provide during ground operations?**
- A. cooling air to the primary heat exchanger**
  - B. cooling air to the pre-cooler**
  - C. air to the eyeball outlets at the Passenger Service Unit (PSU)**
  - D. cooling air to the primary and secondary heat exchanger**

## Answers

SAMPLE

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

SAMPLE

## **Explanations**

SAMPLE

**1. When approaching the CLE VOR at 050°, what type of entry will the aircraft make into the standard holding pattern with an inbound track of 270°?**

- A. Direct or parallel**
- B. Direct**
- C. Parallel**
- D. Offset**

When an aircraft is approaching the CLE VOR on a track of 050° and is expected to enter a holding pattern with an inbound track of 270°, it will typically initiate a holding entry based on its relative position to the holding pattern. In this case, the aircraft's approach heading of 050° is 30° to the right of the holding pattern's inbound track of 270°. To accommodate this, the aircraft will perform an offset entry. An offset entry is used when the aircraft's approach path has a significant angle to the holding pattern, allowing for a more efficient turn into the holding pattern while maintaining the correct flight path. This maneuver positions the aircraft to effectively turn in the direction that aligns it with the inbound track, facilitating a smooth entry into the holding pattern. Understanding the geometry and orientation of the aircraft's track relative to the holding pattern is crucial in determining the entry type, and in this scenario, the correct maneuver is to execute an offset entry to meet the holding pattern requirements.

**2. What is one of the key requirements for RNP?**

- A. Continuous flight path monitoring.**
- B. Regular maintenance checks.**
- C. Real-time weather updates.**
- D. In-flight refueling capabilities.**

One of the key requirements for Required Navigation Performance (RNP) is continuous flight path monitoring. This requirement ensures that the aircraft is consistently adhering to its intended flight path, which is vital for maintaining accuracy and safety in navigation. RNP involves specific navigation criteria that rely on the aircraft's ability to navigate with a certain level of precision. Continuous flight path monitoring allows for the detection of deviations from the planned route, enabling timely corrective actions. This is essential for operations in airspace where high levels of precision are necessary, such as in en-route phases or approaches to closely spaced runways. Other requirements within RNP procedures may include system performance, crew training, and adherence to designated operational capabilities, but continuous flight path monitoring stands out as a fundamental component for ensuring that the aircraft remains on the planned trajectory throughout its flight.

**3. What is the standard Vertical Separation Minimum (VSM) for aircraft flying in the same direction above FL290?**

- A. 3000 ft**
- B. 1500 ft**
- C. 4000 ft**
- D. 2000 ft**

The standard Vertical Separation Minimum (VSM) for aircraft flying in the same direction above Flight Level 290 (FL290) is indeed 4000 feet. This requirement is established to ensure adequate separation between aircraft, particularly given the increased speed and altitude at which they operate. At higher altitudes, the potential for wake turbulence and other factors such as vertical speed can become more pronounced, necessitating a greater vertical separation to maintain safety. The 4000 feet allows for a buffer that accommodates variations in altitude due to air traffic control instructions, atmospheric conditions, and other operational factors. In contrast, altitudes below FL290 have different separation minima due to the generally reduced risk factors and operational considerations present at lower flight levels. Understanding these separation minima is crucial for pilots and controllers to ensure safe operations in busy airspaces, particularly as traffic increases at higher altitudes.

**4. Select the true statement about horizontal wind shear.**

- A. A change of the horizontal vector with horizontal distance, determined by two or more anemometers located on the same height along the runway.**
- B. A change of vertical vector with horizontal distance, determined by two or more anemometers at the same height along the runway.**
- C. A change of the horizontal vector with height, determined by anemometers at different heights.**
- D. A change of vertical vector with height, determined by anemometers at different heights.**

The correct statement about horizontal wind shear is that it reflects a change of the horizontal vector with horizontal distance, which is indeed determined by two or more anemometers located at the same height along a specific path, such as a runway. This concept is crucial, particularly in aviation, because horizontal wind shear can significantly affect aircraft performance during takeoff and landing phases. Understanding horizontal wind shear involves recognizing that it relates specifically to variations in wind speed and direction at a consistent altitude over horizontal distances. For instance, if one anemometer shows a different wind speed or direction compared to another located along the same horizontal plane, it indicates the presence of horizontal wind shear. This phenomenon can lead to sudden changes in lift and drag on an aircraft, posing challenges for pilots during critical phases of flight. In contrast, other options involve concepts that either refer to vertical changes or mistakenly swap the defined parameters, which do not accurately describe horizontal wind shear. This highlights the importance of correctly interpreting the specifics of each option to arrive at an accurate understanding of atmospheric wind behavior relevant to aviation safety.

**5. What point is used for measuring moment (balance) arms?**

- A. The centre of gravity of the aeroplane.**
- B. The focal point.**
- C. The axis.**
- D. The datum.**

The datum is the reference point used for measuring moment or balance arms in aviation. It is an established point from which measurements are taken to determine the positions of various weights in an aircraft. By defining a datum, all weight positions can be expressed as distances from that reference point, thus facilitating the calculation of moments and ensuring the aircraft's balance. Using the datum allows pilots and engineers to accurately assess aircraft loading and ensure that the center of gravity remains within the acceptable limits for safe operation. The moment is calculated as the product of the weight and its distance from the datum, thus determining how far a weight will act in terms of causing rotation about the aircraft's center of gravity. In contrast, the center of gravity refers to the balance point of the aircraft, while the axis typically relates to rotation points for maneuvers. The focal point, although a term used in other contexts, does not have a specific application regarding moment arms in aviation. Thus, the datum is crucial in understanding weight distribution and balance in aircraft operations.

**6. During a warm front passage, which phenomenon might you expect first if experiencing a weather change?**

- A. Strong winds.**
- B. Heavy precipitation.**
- C. Hazy skies.**
- D. Rapid temperature drop.**

During a warm front passage, the initial phenomenon often observed is the presence of hazy skies. This occurs because as a warm front approaches, the warm, moist air overrides the cooler air near the surface. Prior to the actual arrival of the front, this rising warm air leads to the formation of cirrus or high-altitude clouds, which may give the sky a hazy appearance. This haziness results from the increased moisture content in the atmosphere and the formation of clouds that often precede the front's leading edge. Following the initial observation of hazy skies, other weather changes occur, such as increased cloudiness, followed later by light to moderate precipitation as the warm air rises and cools. It's common for pilots and meteorologists to observe this sequence of events, where the initial signs of a warm front are not as dramatic as what follows, such as heavy precipitation or gusty winds. Therefore, recognizing hazy skies as a precursor to the significant weather changes that follow is essential in understanding warm front behavior.

**7. When can low level vertical windshear typically be expected?**

- A. And early morning only in summer.**
- B. In unstable atmospheres.**
- C. And early morning only in winter.**
- D. In association with radiation inversions.**

Low-level vertical windshear often occurs in association with radiation inversions. This phenomenon typically happens at night when the earth's surface cools rapidly, resulting in the formation of an inversion layer. During this time, warmer air traps cooler air near the ground, leading to stable conditions that can cause a significant difference in wind speed and direction at different altitudes. This type of windshear is particularly critical for aviation since it can be encountered during takeoff and landing phases, where vertical fluctuations can lead to sudden changes in aircraft performance and control. In contrast, unstable atmospheres or certain times of the year do not consistently produce the same kind of windshear effects, making the association with radiation inversions a key factor for pilots to be aware of for safety in flight operations.

**8. What data does an INS provide when its navigation function is inoperative and the control switch is set to ATT?**

- A. Attitude and ground speed.**
- B. Attitude, TAS and heading.**
- C. Attitude and heading.**
- D. Ground speed and heading.**

When an Inertial Navigation System (INS) operates in ATT (attitude) mode, it primarily provides information related to the aircraft's orientation and attitude in space. This mode is typically used when the navigation functions of the INS are not available or inoperative. In ATT mode, the INS can track the aircraft's position in terms of its pitch, roll, and yaw, which collectively represent the aircraft's attitude. This means that the system can tell the pilot how the aircraft is oriented relative to the horizon and its flight path. While heading information is crucial for navigation, the system's role when in the ATT mode does not include updating heading data, as this requires a functioning navigation source. Instead, the focus is on the relationship of the aircraft to the earth's surface through its attitude, without real-time positional updates. Thus, the correct interpretation is that the INS provides attitude and heading data, making options that include ground speed irrelevant when the navigation function is inoperative. In summary, the correct answer highlights the operational capacity of the INS during non-navigational states, focusing on critical data like attitude and, importantly, the associated heading, which is derived directly from the attitude information.

**9. When the angle of attack of an aerofoil decreases, which of the following statements is true regarding the stagnation point and the point of lowest static pressure?**

- A. 1 is correct, 2 is correct**
- B. 1 is correct, 2 is incorrect**
- C. 1 is incorrect, 2 is incorrect**
- D. 1 is incorrect, 2 is correct**

As the angle of attack of an aerofoil decreases, it influences the airflow around the wing, particularly affecting the behavior of the stagnation point and the region of lowest static pressure. The stagnation point is where the airflow comes to a stop, typically located at the leading edge of the aerofoil. As the angle of attack decreases, the airflow over the wing becomes more streamlined, and the stagnation point may shift slightly but remains near the leading edge. The decrease in angle of attack allows the airflow to attach to the wing surface better, thereby maintaining the stagnation point effectively. On the other hand, the point of lowest static pressure is traditionally located at the point of maximum camber on the upper surface of the aerofoil. When the angle of attack decreases, this point shifts forward along the wing's surface. This is because lower angles of attack allow for a smoother airflow and a better pressure recovery over the surface. Therefore, as the angle of attack decreases, the static pressure reduces on the upper surface, marking a precise location of lowest static pressure that moves accordingly. Thus, the correct assessment in this scenario is that the stagnation point remains relatively stable or minimally altered (indicating that statement 1 is incorrect) while the point of lowest static

**10. What does the pack cooling fan provide during ground operations?**

- A. cooling air to the primary heat exchanger**
- B. cooling air to the pre-cooler**
- C. air to the eyeball outlets at the Passenger Service Unit (PSU)**
- D. cooling air to the primary and secondary heat exchanger**

During ground operations, the pack cooling fan plays a crucial role in ensuring the proper functioning of the aircraft's environmental control system, primarily by supplying cooling air to the primary and secondary heat exchangers. These heat exchangers are essential components in regulating the temperature of the air that will be distributed throughout the cabin. The primary heat exchanger is responsible for cooling the compressed air that will be used for cabin pressurization and regulation, while the secondary heat exchanger contributes to managing any additional cooling requirements. The effective operation of both heat exchangers is vital, especially during ground operations when the aircraft may not be in motion and external airflow is limited, potentially leading to overheating if not properly managed. By providing cooling air to both heat exchangers, the pack cooling fan ensures that the air being conditioned for passenger comfort remains at an appropriate temperature, enhancing the overall cabin environment during ground 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](mailto:hello@examzify.com).**

**Or visit your dedicated course page for more study tools and resources:**

**<https://atplip.examzify.com>**

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

SAMPLE