

AIR TRANSPORTATION (2T2X1) BLOCK 3 PRACTICE TEST (SAMPLE)

STUDY GUIDE



Prepare with structure. Pass with confidence



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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. How many 463L pallets can the C-5 hold?
 - A. 30
 - B. 34
 - C. 36
 - D. 38
2. During shipment preparation, what does 'documented weight' refer to?
 - A. The total weight of the cargo before shipping
 - B. The official recorded weight of the shipment
 - C. The weight of the shipment at delivery
 - D. The weight including transport materials
3. Which of the following cargo capacities matches the DC-10?
 - A. 30
 - B. 34
 - C. 18
 - D. 42
4. What is the passenger capacity of the C-130J when using only sidewall seats?
 - A. 62
 - B. 80
 - C. 100
 - D. 138
5. Which aircraft model has an ACL of 25,000 lbs during peacetime?
 - A. G-130J
 - B. C-130H
 - C. C-17
 - D. C-141

- 6. What is the total weight that can be carried at position 35-36 in a C-5 aircraft?**
- A. 7,500 lbs
 - B. 30,000 lbs
 - C. 80,000 lbs
 - D. 6,000 lbs
- 7. What feature increases the passenger capacity of the C-17 from 54 to 102?**
- A. Sidewall Configurations
 - B. Centerline Seats
 - C. Expanded Aisles
 - D. Skylights
- 8. What is a critical consideration in airlift mission planning?**
- A. Flight crew downtime
 - B. Weather forecasts
 - C. Cargo capacity
 - D. All of the above
- 9. Which aircraft can transport the least number of passengers?**
- A. KC-10 code B
 - B. DC-8
 - C. KC-10 code D
 - D. DC-10
- 10. What does the acronym 'CRAF' stand for in air transportation?**
- A. Civil Air Reserve Fleet
 - B. Civil Reserve Air Fleet
 - C. Civilian Rescue Air Force
 - D. Cargo Resupply Assistance Framework

Answers

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

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Explanations

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1. How many 463L pallets can the C-5 hold?

- A. 30
- B. 34
- C. 36**
- D. 38

The C-5 Galaxy, a large military transport aircraft, is designed to carry a significant amount of cargo, and its cargo hold is optimized for maximum efficiency and space utilization. The C-5 can accommodate 36 standard 463L pallets, which are specifically designed for air mobility operations. Each 463L pallet measures 88 inches by 108 inches and can be easily loaded and unloaded via the aircraft's unique cargo loading system, which includes a ramp. This configuration allows for a highly effective and flexible use of the aircraft's cargo space, enabling it to transport a variety of heavy and oversized cargo loads, from military equipment to humanitarian supplies. The ability to carry 36 pallets distinguishes the C-5 as one of the most versatile and capable large transport aircraft in service.

2. During shipment preparation, what does 'documented weight' refer to?

- A. The total weight of the cargo before shipping
- B. The official recorded weight of the shipment**
- C. The weight of the shipment at delivery
- D. The weight including transport materials

'Documented weight' refers specifically to the official recorded weight of the shipment, which is crucial for several reasons in air transportation. This weight is used in various aspects of shipping, including billing and regulatory compliance. When preparing shipments, accurately recording the weight ensures that all fees are correctly applied based on the actual weight of the cargo. Furthermore, it serves as a key reference for safety and load management during transportation, as carriers need to know the weight to adhere to aircraft weight limits and balance requirements. Having an accurate and official record helps maintain transparency and can prevent disputes between shippers and carriers regarding charges or unexpected logistics complications. Properly documenting weight is a fundamental part of the shipping process to ensure all parties involved are aware of the specifics regarding the cargo being transported.

3. Which of the following cargo capacities matches the DC-10?

- A. 30**
- B. 34
- C. 18
- D. 42

The correct cargo capacity that matches the DC-10 is 30 tons. This figure reflects the aircraft's design capabilities, especially regarding its freight load. The DC-10 was engineered to serve as a wide-body aircraft, which allows it to transport significant amounts of cargo along with passengers. In understanding why 30 tons is the correct cargo capacity, it's essential to consider the DC-10's role in air freight and passenger airlines during its operational period. This aircraft was quite versatile, offering a blend of cargo and passenger space, which is essential for airlines that operate under mixed-use scenarios. The other options do not match the DC-10's cargo specifications. For example, options like 34, 18, and 42 tons exceed or fall short of what the design intended, making them inaccurate when comparing to the DC-10's capabilities. Each value must be assessed against aircraft specifications, which are well-documented in aviation resources, ensuring proper knowledge of the cargo capacities of various aircraft types.

4. What is the passenger capacity of the C-130J when using only sidewall seats?

- A. 62**
- B. 80
- C. 100
- D. 138

The accurate passenger capacity of the C-130J when utilizing only sidewall seats is 62. This figure is significant as it reflects the design and intended use of the aircraft for tactical airlift missions, where flexibility in configuration is vital. The sidewall seats are generally arranged along the cargo area and can accommodate personnel in a relatively compact space, ensuring that the aircraft can operate efficiently under various mission requirements. While other configurations of the C-130J can increase the total passenger capacity, such as when including additional seats in the cargo area, the specific figure for sidewall seating is established at 62. This highlights the operational versatility of the C-130J, allowing it to effectively transport a range of personnel while maintaining the ability to carry cargo or provide medical evacuation services when necessary. Thus, understanding the passenger capacity by configuration is crucial for mission planning and logistics in air transportation.

5. Which aircraft model has an ACL of 25,000 lbs during peacetime?

- A. G-130J
- B. C-130H**
- C. C-17
- D. C-141

The C-130H aircraft model is well-known for its versatility and ability to carry significant loads, making it a key asset in military logistics and air transportation. During peacetime operations, the C-130H is designed to have an Allowable Cargo Load (ACL) of 25,000 lbs. This capacity allows the aircraft to efficiently transport troops, supplies, and equipment to various locations, supporting a wide range of missions including humanitarian assistance and disaster relief. The C-130H's design incorporates features that enhance its operational capabilities, such as its short takeoff and landing abilities, which can be particularly advantageous in diverse environments. Understanding the cargo capacity of various aircraft is crucial for planning missions and ensuring that the transportation of goods and personnel is conducted effectively and safely. In contrast, other aircraft models, while also capable of transporting cargo, have differing ACLs that do not match the 25,000 lbs capacity during peacetime, making them less appropriate choices for this specific question.

6. What is the total weight that can be carried at position 35-36 in a C-5 aircraft?

A. 7,500 lbs

B. 30,000 lbs

C. 80,000 lbs

D. 6,000 lbs

The correct total weight that can be carried at position 35-36 in a C-5 aircraft is 7,500 lbs. This specific weight limit refers to the maximum allowable cargo weight for those positions in the aircraft, which is critical for both the safety and operational efficiency of the aircraft. Each designated position in the cargo area has a specified weight limit that contributes to the overall load distribution and balance of the aircraft during flight.

Understanding the weight limits associated with different positions helps ensure that the center of gravity remains within operational parameters. Proper load distribution also affects performance during takeoff, landing, and in-flight maneuvers. The C-5 is designed with various cargo positions, each having different weight capacities, so it's crucial to adhere to these limits to maintain safety and functionality. It's important to note that while the C-5 can carry significantly larger loads elsewhere, such as the 30,000 lbs or 80,000 lbs mentioned in other options, those figures pertain to other positions within the aircraft and not to positions 35-36 specifically. Therefore, the limit at position 35-36 is established at 7,500 lbs to maintain optimal performance and safety in air transportation operations.

7. What feature increases the passenger capacity of the C-17 from 54 to 102?

A. Sidewall Configurations

B. Centerline Seats

C. Expanded Aisles

D. Skylights

The feature that increases the passenger capacity of the C-17 from 54 to 102 is centerline seats. Centerline seating arrangements allow for a denser configuration in the aircraft's cabin, effectively maximizing the space available for passengers. By adding seats along the centerline of the aircraft, more people can be accommodated without significantly impacting movement and safety, thus enhancing the overall capacity. This configuration is particularly useful when the aircraft is used for troop transport, as it enables efficient use of space while maintaining operational capabilities. In this context, sidewall configurations, expanded aisles, and skylights do not directly contribute to increasing passenger capacity. Sidewall configurations may refer to how seating is arranged next to the walls of the aircraft but do not add seats. Expanded aisles improve movement within the aircraft but do not add to passenger numbers. Skylights provide natural lighting but do not affect seating capacity. Hence, centerline seats are specifically designed to increase the number of passengers that can be safely and comfortably transported in the C-17.

8. What is a critical consideration in airlift mission planning?

- A. Flight crew downtime
- B. Weather forecasts
- C. Cargo capacity
- D. All of the above**

In airlift mission planning, it is essential to consider multiple critical factors to ensure the mission is executed effectively and efficiently. Each of the elements mentioned plays a significant role in the success of an airlift operation. Flight crew downtime is important because managing crew rest periods ensures that aircrews are adequately rested and capable of performing their duties safely. Fatigue can impair decision-making and reaction times, making it a critical factor in mission planning. Weather forecasts are vital as they influence flight safety, routing, and timing. Poor weather conditions can necessitate changes in flight plans, result in delays, or even cancel missions, highlighting the importance of understanding and preparing for atmospheric conditions. Cargo capacity directly affects what can be transported and whether the mission objectives can be met. Understanding the limits of an aircraft's cargo space ensures that planners make informed decisions about what to load and how to optimize payloads for efficiency and safety. Considering all these factors collectively allows airlift mission planners to create a comprehensive strategy that maximizes efficiency, safety, and mission success, which is why the answer encompasses all of these elements.

9. Which aircraft can transport the least number of passengers?

- A. KC-10 code B**
- B. DC-8
- C. KC-10 code D
- D. DC-10

The KC-10, designated as code B in this context, is a military aerial refueling tanker and strategic airlift aircraft developed from the commercial McDonnell Douglas DC-10. While it is capable of transporting personnel and cargo, its primary function is to refuel other aircraft in flight. Among the listed options, code B of the KC-10 is typically utilized in a configuration that allows for a relatively limited passenger capacity compared to the others, given its design focuses more on refueling missions than on carrying a high volume of passengers. While military specifications might allow for some versatility in cargo and personnel load, the aircraft is not standardized for high passenger transport like the DC-8 or DC-10, which are designed primarily as passenger airliners. In contrast, the DC-8 and DC-10 are optimally configured for commercial air travel, designed to accommodate more passengers, with the DC-10 particularly favoring large passenger capacities along with cargo space. Therefore, the KC-10 code B represents an aircraft designed with operational capabilities that prioritize different mission profiles, resulting in a lower passenger capacity.

10. What does the acronym 'CRAF' stand for in air transportation?

- A. Civil Air Reserve Fleet
- B. Civil Reserve Air Fleet**
- C. Civilian Rescue Air Force
- D. Cargo Resupply Assistance Framework

The acronym 'CRAF' stands for Civil Reserve Air Fleet. This program was established by the U.S. Department of Defense to augment military airlift capabilities during times of national emergency or war. Essentially, it allows the military to use commercial aircraft to transport troops and supplies quickly and efficiently, thereby enhancing national defense readiness. The significance of the Civil Reserve Air Fleet lies in its ability to provide a rapid response to crises by leveraging the resources of the commercial aviation industry. Airlines that participate in this program maintain certain aircraft ready for call-up, ensuring that they can be mobilized when needed. In comparison, the other options do not accurately reflect what 'CRAF' represents. The term 'Civil Air Reserve Fleet' is a slight variation and not the correct name; the incorrect variations in the other responses, such as 'Civilian Rescue Air Force' and 'Cargo Resupply Assistance Framework,' clearly diverge from the established terminology in air transportation.

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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://airtranspoblock3.examzify.com>

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

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