Air Assault School Phase 2 Practice Test (Sample)

Study Guide

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Questions

1. Why is airworthiness of a helicopter crucial during air assault operations?

- **A. To ensure minimal fuel consumption**
- **B. To guarantee safety during transport of personnel and equipment**
- **C. To enhance flight speed**
- **D. To allow for aerial photography**

2. What role does safety play in the planning of air assault operations?

- **A. Safety is secondary to mission success**
- **B. Safety protocols are established to protect personnel during air operations**
- **C. Safety measures are only necessary during training exercises**
- **D. Operational speed takes precedence over safety**

3. What is the empty weight of the 5k cargo net?

- **A. 30 lbs**
- **B. 50 lbs**
- **C. 58 lbs**
- **D. 60 lbs**

4. Which sling leg has the same rated capacity as the medium clevis?

- **A. 15k sling leg**
- **B. 25k sling leg**
- **C. 10k sling leg**
- **D. 5k sling leg**

5. What type of load does the CHRP primarily support?

- **A. Only personnel transport**
- **B. Heavy and light equipment**
- **C. Medical supplies only**
- **D. Logistics and rations only**

6. What is the primary role of the hook up person in a sling load operation?

A. Inspects the load before it is lifted

B. Secures the load to the helicopter

C. Operates the lifting mechanism

D. Maintains communication with the pilot

7. Which crew member is specifically mentioned as capable of releasing the cargo hook from inside the UH-60?

A. Navigator

B. Loadmaster

C. Pilot

D. Crew Chief

8. Why is conducting a rehearsed and familiarization ride critical before an air assault?

A. To ensure all troops and personnel are familiar with the equipment

B. To ensure all troops and personnel are comfortable with the operations and procedures

C. To assess the physical condition of all personnel

D. To determine the flight path for the helicopters

9. Which of the following are factors that must be considered for sling loading?

A. Weight, size, weather, and altitude

B. Weight, size, center of gravity, and agility

C. Cost, distance, shipping method, and time

D. Weight, shape, color, and speed

10. What is the maximum weight of any load when conducting a dual point hook up using the CH-47?

A. 20,000 lbs

B. 25,000 lbs

C. 30,000 lbs

D. 35,000 lbs

Answers

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

Explanations

1. Why is airworthiness of a helicopter crucial during air assault operations?

A. To ensure minimal fuel consumption

B. To guarantee safety during transport of personnel and equipment

C. To enhance flight speed

D. To allow for aerial photography

The airworthiness of a helicopter is paramount during air assault operations primarily to guarantee safety during the transport of personnel and equipment. Air assault missions often involve the transport of troops and critical supplies into austere or hostile environments, making it essential that the helicopter is fully operational and safe for these missions. A helicopter that is not airworthy may have undetected mechanical issues or system failures that could lead to malfunctions during flight, endangering the lives of the soldiers and the success of the mission. Ensuring airworthiness encompasses regular maintenance checks, adherence to safety protocols, and thorough inspections before each flight. By emphasizing safety, commanders can mitigate risks and enhance the confidence of the personnel being transported. While minimal fuel consumption, flight speed, and aerial photography may have their own merits, they do not outweigh the critical nature of safety in military operations. The priority during air assaults is to achieve successful insertion and extraction of troops while minimizing the risks involved.

2. What role does safety play in the planning of air assault operations?

A. Safety is secondary to mission success

B. Safety protocols are established to protect personnel during air operations

C. Safety measures are only necessary during training exercises

D. Operational speed takes precedence over safety

Safety plays a critical role in the planning of air assault operations by ensuring that all personnel involved are protected throughout the operation. The establishment of safety protocols is essential for identifying and mitigating potential risks that may arise during various phases of the operation, including loading, flight, and disembarkation. These protocols help ensure not only the safety of the soldiers participating in the operation but also the safety of civilians and property in the surrounding area. Emphasizing safety allows for a more effective execution of the mission, as risks are managed and addressed before they can lead to accidents or complications. By prioritizing safety, planners can enhance mission effectiveness, fostering an environment where personnel can focus on their roles with confidence and security.

3. What is the empty weight of the 5k cargo net?

A. 30 lbs

B. 50 lbs

C. 58 lbs

D. 60 lbs

The empty weight of the 5k cargo net is 58 lbs, which is consistent with the specifications set forth in air assault training materials. Understanding the weight of the cargo net is crucial for logistical planning, ensuring that the overall weight being lifted by helicopters is accurately calculated to prevent overloading. An accurate awareness of equipment weights allows for better management of load limits, compliance with air safety regulations, and enhances the effectiveness of air assault operations. While there may be other weight figures mentioned for different equipment or cargo nets, the 58 lbs measurement specifically pertains to the 5k cargo net as defined in military guidelines. This understanding aids soldiers in calculating the combined weight of loads, which is critical for operational efficiency during air assaults.

4. Which sling leg has the same rated capacity as the medium clevis?

A. 15k sling leg

B. 25k sling leg

C. 10k sling leg

D. 5k sling leg

The rated capacity of the medium clevis is 25,000 pounds, making it suitable for a variety of applications in load handling. To determine which sling leg has the same rated capacity, we can look at the specifications of the different sling legs. The 25k sling leg is designed to safely handle loads up to 25,000 pounds, aligning perfectly with the capacity of the medium clevis. This is crucial in ensuring that the overall load being lifted maintains its integrity and safety, as all components of the rigging system must be rated for the same or higher capacity than the loads being handled. In contrast, the other sling legs—15k, 10k, and 5k—have lower rated capacities, which would not be sufficient when paired with a medium clevis for heavy load operations. Therefore, the only option that matches the medium clevis in terms of rated capacity is the 25k sling leg.

5. What type of load does the CHRP primarily support?

A. Only personnel transport

B. Heavy and light equipment

C. Medical supplies only

D. Logistics and rations only

The CHRP, or Cargo Helicopter Resupply Platform, is designed to support a wide range of load types, making it versatile and essential for various logistical operations. The primary function of the CHRP is to facilitate the transportation of both heavy and light equipment. This capability is critical during combat and support operations where timely and efficient resupply of resources is necessary to maintain operational readiness. By being able to handle different weight classes of equipment, the CHRP ensures that units in the field receive not only what they immediately need but also the more substantial, often bulkier supplies that may be necessary for sustained missions. This adaptability allows commanders to optimize their resource allocation and ensures that a variety of equipment can be transported effectively, enhancing overall mission success.

6. What is the primary role of the hook up person in a sling load operation?

A. Inspects the load before it is lifted

B. Secures the load to the helicopter

C. Operates the lifting mechanism

D. Maintains communication with the pilot

The primary role of the hook up person in a sling load operation is to secure the load to the helicopter. This individual is responsible for physically attaching the sling load to the helicopter's cargo hook, ensuring that it is properly connected and secured before liftoff. This role is critical for maintaining the safety and integrity of the load during the transport process. Properly securing the load minimizes the risk of load failure or detachment during flight, which can lead to accidents or damage to the cargo and environment. The hook up person must verify that all connections are secure and that safety measures, such as the use of proper rigging techniques, are in place to ensure the load's stability throughout the operation. While inspecting the load, operating the lifting mechanism, and maintaining communication with the pilot are crucial tasks within sling load operations, none of these responsibilities directly correlate to the specific function of securing the load to the helicopter, which is the essence of the hook up person's duty.

7. Which crew member is specifically mentioned as capable of releasing the cargo hook from inside the UH-60?

A. Navigator

B. Loadmaster

C. Pilot

D. Crew Chief

The pilot is specifically mentioned as capable of releasing the cargo hook from inside the UH-60. This ability is critical as it allows the pilot to manage cargo operations effectively while maintaining control of the aircraft and ensuring safety during the operation. The pilot's position at the main controls facilitates quick responses to changes in mission needs or any emergencies that may arise during aerial transport. In the context of Air Assault and helicopter operations, it's important for the pilot to have direct control over essential functions such as cargo hook release, which influences the efficiency and safety of loading and unloading operations. The other crew members, while they play important roles, do not have the same capacity or designated responsibility for this specific action from inside the cockpit.

8. Why is conducting a rehearsed and familiarization ride critical before an air assault?

A. To ensure all troops and personnel are familiar with the equipment

B. To ensure all troops and personnel are comfortable with the operations and procedures

C. To assess the physical condition of all personnel

D. To determine the flight path for the helicopters

Conducting a rehearsed and familiarization ride is crucial before an air assault primarily because it ensures that all troops and personnel are comfortable with the operations and procedures. This aspect is vital in maintaining safety and operational effectiveness during the air assault mission. Familiarity helps troops understand their roles, the timing of operations, and how to respond to any challenges that may arise during the mission. By participating in these rides, soldiers can practice loading and unloading from the aircraft, communicate effectively in the noise of flight, establish appropriate formations, and coordinate movement upon landing. The comfort gained from these rehearsals helps to reduce anxiety and confusion during the actual operation, contributing to a more seamless execution of the mission. While being familiar with equipment and assessing physical condition are important, the overarching purpose of the familiarization ride is to ensure operational readiness and teamwork during the air assault, making option B the most relevant in this context. As for determining the flight path, this is typically conducted through mission planning and does not rely solely on the familiarization ride.

9. Which of the following are factors that must be considered for sling loading?

A. Weight, size, weather, and altitude

B. Weight, size, center of gravity, and agility

C. Cost, distance, shipping method, and time

D. Weight, shape, color, and speed

The correct answer focuses on essential physical characteristics and operational factors that are crucial when determining how to effectively sling load an item. Weight is critical because it directly influences the helicopter's lifting capacity and flight performance. Size is important, as it affects the helicopter's ability to secure the load safely and properly. The center of gravity is vital to ensure stability during flight; an improperly balanced load can lead to control issues, potentially jeopardizing the mission and safety. Agility, while less frequently considered than the other factors mentioned, pertains to how well the helicopter can maneuver with the load in tow. The other options contain factors that are either irrelevant to the specifics of sling loading or do not address the operational considerations required for safe and effective helicopter operations. For instance, while cost and time may be important for logistical planning, they do not directly impact the safety or technical requirements of sling loading. Hence, option B captures the necessary considerations, making it the correct choice.

10. What is the maximum weight of any load when conducting a dual point hook up using the CH-47?

A. 20,000 lbs

B. 25,000 lbs

C. 30,000 lbs

D. 35,000 lbs

In conducting a dual point hook up with the CH-47 helicopter, the maximum weight that can be lifted is 25,000 lbs. This specification is critical for planning and executing air assault operations effectively, ensuring the safety of the aircraft and the load itself. The dual point hook up allows for a more stable load, which is essential for maintaining balance and control during flight. Adhering to the maximum weight limit is crucial not only for operational effectiveness but also for the safety of personnel on the ground and in the aircraft. In operational environments, exceeding weight limits can jeopardize the mission and increase the risk of accidents. Therefore, understanding the capacity of the aircraft and the equipment being used is fundamental to the successful completion of air mobility tasks.