

FLIGHT TRAINING PROFESSIONALS
Private Stage 1, Phase 3: Takeoffs and Landings
Proficiency Quiz

1. According to 14 CFR 91.103, what named, minimum preflight items must be performed before any flight?

Weather, performance, length of intended runs, Traffic delays, fuel, Notams

2. During weight and balance calculations, where would you locate the airplane's basic empty weight?

Aircraft POTH in the w/b section

3. After calculating the weight and balance, you find the center of gravity is outside the manufacturer's envelope. What do you do?

If too far aft, you can shift weight around, remove weight, in order to make the CG fall within limits

4. How often is a METAR released? List some information we can gain from a METAR. State some limitations of a METAR.

Meteo is released at the top of each hour, it will give wind, visibility, clouds, temp/dew point, altimeter and Notams

5. According to Flight Training Professionals Operations Manual, what is the maximum crosswind component for a VFR dual flight with company instructor? What is the crosswind limit for a VFR student solo flight?

with instructor: demonstrated x-wind published in POTH
VFR Solo: 5 kts or less or 5-10 kts w/ instructor approach

6. Explain why, in your own words, the third step in the Flight Training Professionals' Go Around Procedure is important to perform as stated.

flaps help generate lift at lower speeds at the expense of more drag, so it is important to generate speed to prevent stalling the plane once flaps are retracted.

7. According to the Flight Training Professionals' standard operating procedure for Normal Approach to a Landing, what should be done on short final? Why is this important?

adding nose up trim to assist in flare because as the plane slows down controls become less effective so more back pressure is required to maintain the flare to land on the main landing gear.

8. List the items that must be memorized for both an engine failure in flight and electrical fire emergency. Why must these items be contributed to memory?

Airspeed 68 kts, fuel Select valve both, shutoff valve in, mixture rich, fuel pump on, cycle the magneto; left, right, both on then start. These are quick actions in attempt to start the engine again

9. According to the Flight Training Professionals' standard operating procedure for an engine failure, what is the lowest altitude attention should be divided to completing checklists?

1000 feet AGL

10. In your own words, describe why the emergency items included in the Flight Training Professionals' departure briefing are important to review before takeoff. What potentially disastrous situation can this mental briefing help to avoid?

The mental briefing can prevent a possible "Blank" and lose precious seconds that can be fatal.