

PINNACLE AVIATION ACADEMY

CESSNA 152 CHECKOUT - WRITTEN

PILOT: _____

INSTRUCTOR: _____

DATE: _____

OBJECTIVE: With the use of the Pilot's Information Manual, the pilot will be able to identify information relating to the safe operation of the **Cessna 152**. Each question is followed by a reference number which indicates the page in the PIM where information on the question may be found.

AIRCRAFT LIMITATIONS

1. What is the Never Exceed Speed (Vne)? (2-3) _____
2. What is the Maneuvering Speed (Va) at 1,670 lbs.? (2-3) _____
3. What is the Maximum Flap Extended Speed (Vfe)? (2-3) _____
4. What is the Maximum Takeoff Weight? (2-5) _____
5. What is the Maximum Weight in the baggage compartment 1 & 2? (2-5) _____
6. What is the Maximum fuel quantity for standard fuel tanks? (2-7) _____
7. What is the total usable fuel (all flight conditions)? (2-7) _____

EMERGENCY PROCEDURES

1. What is the airspeed for maximum glide? (3-3) _____
2. What is the procedure for engine failure immediately after takeoff? (3-3) _____

3. What is the procedure for engine failure in flight? (3-4) _____

4. What is the procedure for a loss of alternator output (Low-Voltage Light Illuminated)? (3-8)

NORMAL PROCEDURES

- 1. What is the initial climb speed after a normal takeoff? (4-8) _____
- 2. What is the initial climb speed after a short field takeoff? (4-8) _____
- 3. What is the enroute climb speed? (4-8) _____
- 4. What is the recommended lean EGT temp. for 75% or less power? (4-16) _____
- 5. What is the flaps down final approach speed for a normal landing? (4-9) _____
- 6. What is the flaps down final approach speed for a short field landing? (4-9) _____
- 7. What is the initial balked landing (go around) speed? (4-9) _____

PERFORMANCE

- 1. What is the most fwd. CG, 1670 lbs, flaps up, 45 deg bank stall speed? (5-10) _____
- 2. What is the takeoff distance to clear a 50 ft. obstacle using short field procedures, at gross weight, 6,000 ft. elevation and 30 degrees C? (5-11) _____
- 3. What is the expected fuel consumption at a cruise altitude of 6,000 ft. with power set at 2,500 rpm and 20 deg. above standard temp? (5-14) _____
- 4. What is the expected maximum range with 24.5 gallons usable fuel and a 45 min reserve at 75% power, 6,000 ft., zero wind and std. temp. ? (5-15) _____
- 5. What is the landing distance over a 50 ft. Obstacle using short field procedures, at gross weight, 6,000 ft. Elevation and 30 degrees C? (5-19) _____

WEIGHT AND BALANCE

- 1. Using the sample loading chart (the same basic empty weight and moment on page (6-9), determine the takeoff weight and moment with full standard tanks, a pilot weight of 200 lbs., a passenger weight of 180 lbs. and baggage weight in Area 1 of 10 lbs. (6-9 to 6-12)
 - a. What is the Takeoff Weight? _____
 - b. What is the Moment? _____
 - c. Is this configuration within the CG/Moment envelope? _____