

PA-32R Saratoga II Checkout Questionnaire:

Name: _____ Date: _____ Score: _____.

Certificates/Ratings _____ Certificate Number _____.

Signature _____ Instructors Signature _____.

Limitations:

Vs _____ Vso _____ Vx _____ Vy _____.

Va _____ Vne _____ Vno _____ Vfe _____.

Vlo _____ Vle _____

Max takeoff wt. _____ Max landing wt. _____ Min oil for T/O _____.

Max oil temp _____ Min oil pressure _____.

Systems:

Engine & Propeller:

Engine Manufacturer _____ Model Number _____.

Horsepower: _____.

Propeller Manufacturer & Type _____.

What is the minimum oil required for dispatch on a cross country? _____ Qts.

What is the "Eng Alt Air" handle do and when is it used? _____

Fuel:

Total Capacity _____ Total Usable _____ Number of Fuel Cells _____.

How do you drain the fuel sumps _____.

Number of fuel pumps and type _____

Describe the procedure for switching tanks in flight _____

Electrical:

Battery voltage _____. System voltage _____.

Max output of alternator _____ Low Voltage Light comes on at _____ volts.

How many alternators is this aircraft equipped with? _____.

Turning the "Master Switch" off in flight would have what effect on flight

Instruments? _____

On avionics? _____

On the engine? _____.

Hydraulic:

What aircraft components are operated by the Saratoga's hydraulic system? _____

What is the power source for the hydraulic power pack? _____

Describe the Landing Gear Emergency Extension procedure? _____

If the "three green" landing gear position lights are not visible, what should the pilot check before doing the Emergency Extension procedure? _____

Instruments/Avionics:

Name the power source for the

Attitude Indicator: _____ HSI _____ Turn Coord. _____

Altimeter _____ Vertical Speed _____ Airspeed _____

How can you display and navigate with the KLN 94B on the pilot's side HSI? _____

In the event the Pitot tube becomes blocked, what instruments become unreliable?

_____.

This airplane has a standby vacuum system. How does it operate? _____

Environmental System:

What are the main components that comprise the air conditioning system? _____

What limitations are associated with the usage of the air conditioner? _____

Normal Procedures:

Describe the differences in the normal vs. hot start procedures as described in the POH.

_____.

Describe the normal procedure used to lean the mixture during a cross-country flight.

"Normal Power" in Section 5 Performance specifies a fuel flow of _____ gallons per hour.

Describe the procedure for a short field landing.

Describe the procedure for dealing with a grounding maintenance issue, discovered during the preflight, while away from PDK on a cross country trip. _____

Given the sensitive weight and balance characteristics of the Saratoga, what precautions should the PIC take to ensure that the aircraft is properly fueled and loaded prior to all flights?

Weight and Balance/ Performance:

Complete the weight and balance and performance for a trip from PDK to DTS (Destin, FL.) based the following parameters given for the aircraft you will be flying. Figure max allowable fuel based on remaining weight available. Attach scratch paper if necessary.

PA-32: 200 lb pilot + 1 passenger (150 lbs.) in co-pilot's seat + 2 passengers (200 and 150 lbs. respectively) in rearmost seats + 75 lbs. baggage.

Conditions: 30 degrees C, 5kts headwind on takeoff, dry runway.
10kts tailwind enroute @ 6000'/6500', ISA+10.
30 degrees C, 5kts headwind on landing, dry runway.

T/O Weight: _____ T/O CG: _____.

Take off Distance over 50' obstacle _____.

Estimated Fuel Burn Climb _____ Estimated Fuel Burn Enroute _____.

Estimated Landing Wt. _____ Estimated Landing Dist. _____.

Estimated Reserves Upon Reaching Destination _____.

Emergency Procedures:

Engine Failure after Takeoff

1. _____
2. _____
3. _____
4. _____
5. _____

Engine Failure in Flight

1. _____
2. _____
3. _____
4. _____
5. _____

Forced Landing/ No Power (all items)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Engine Fire in Flight

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Electrical Fire in Flight

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Emergency Gear Extension

1. _____
2. _____
3. _____
4. _____
5. _____

Propeller Overspeed

1. _____
2. _____
3. _____
4. _____
5. _____