PA28-161 Piper Warrior II Checkout Questionnaire

Name _____ Date _____/_____/_____

Certificate and Ratings _____ Certificate # _____

Total Time _____ Instructor Name (if applicable) _____

Airspeeds

1. What are the following v speeds in KIAS?

   Vr _____ Vy _____ Vx _____ Va _____

   Vso _____ Vs _____ Vfe _____ Vno _____

   Vne _____ Best Glide _____

Emergency Procedures

1. Describe the emergency checklist to follow when the engine has failed in flight.

2. Describe the "Engine Fire In-Flight" checklist.

3. What actions should be taken if there is smoke in the cockpit?

4. What should we do if we experience low or high oil pressure?

5. What action should be taken if you experience partial power loss?

6. Describe the procedure to use for a forced landing?

7. What should be done if the ammeter indicates excessive discharge or overcharge during flight?

Normal Procedures

1. List the procedures to be followed for a normal engine start?

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

- _____
- _____
- _____
- _____

2. Explain the procedure for starting a hot engine.

3. Prior to takoff, what position should the fuel pump switch be on?

4. When do we lean the mixture? Describe the procedure.

5. What is the normal approach speed?

6. What is the Short Field approach speed?

Performance

1. Given 20 degrees Celsius, 9 kn. Headwind, P/A 1,000' paved dry runway and max weight. Determine the takeoff distance over a 50' obstacle using the SHORT FIELD T/O technique.

2. What is the endurance at 8,000' and standard temp at 65% power?

Weight and Balance

1. What is max takeoff weight?

2. Determine how much fuel can be carried without exceeding the max takeoff weight?

	Weight	Arm	Moment
BEW			
Pilot & Passenger	200		
Rear Occupants	350		
Baggage A	20		
Baggage B	0		
Zero Fuel Weight			
Fuel @ 6 lbs/gal	200		
Ramp Weight			
Taxi Fuel Allowance			
Takeoff Weight			
CG Location			

3. Is the aircraft within CG limits?
4. What aircraft category(ies) is/are the aircraft certified under?
5. What is the maximum allowable weight in the baggage compartment A? B?

Systems

1. What type of engine does the aircraft have? (specify make and model)
2. What is the engine's maximum rated horsepower and RPM?
3. What is the total fuel capacity?
4. What is the total usable?
5. How many fuel drains are there under each wing?
6. Are there any other fuel drains?

7. How many positions does the fuel selector have, and what are they?

8. How many engine driven vacuum pumps does the airplane have?

9. What types of fuel are approved?

10. What is the total oil capacity?

11. What is the minimum capacity for normal flight operations?

12. What is the voltage of the battery?

13. Where is the battery located in the aircraft?

14. Describe the electrical system?

15. What has happened when the low voltage light illuminates?

16. How can the pilot attempt to remedy a low or over-voltage conditions?

17. Does the aircraft have an alternate state source? If so, where is it, and how do you activate it?

18. Why are flaps used?

19. What are the flaps setting?

20. At what speed do you lower the flaps?

21. What are the limitations?

Stall and Spin Awareness

1. What is a stall?

2. How do you recover from a Power-Off Stall?

3. How do you recover from a Power-On Stall?

4. What has to happen first before an airplane enters a spin?

5. What is the SPIN RECOVERY procedure for this airplane?

6. Why is it important to recover from a spin both quickly and smoothly?