



172-P Checkout Questionnaire

Name _____ Date _____
Certificate and Ratings _____ Certificate # _____
Total Time _____ Instructor (if applicable) _____

Airspeeds

1. What are the following V speeds in KIAS?

Vr _____ Vs _____
Vy _____ Vfe _____
Vx _____ Vno _____
Va _____ Vne _____
Vso _____ Best glide _____

Approach speed (Full Flaps) _____ Approach Speed (No Flaps) _____

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 should we do if we experience low or high oil pressure?
4. What action should be taken if you experience partial power loss?
5. Describe the procedure to use for a forced landing?
6. What should be done if the ammeter indicates excessive discharge or overcharge during flight?

Stall and Spin Awareness

1. What is a stall?
2. How do you recover from a stall (Power-Off / Power-On).
Power-Off: _____
Power-On: _____
3. What has to happen *first* before an airplane enters a spin?
4. What is the SPIN RECOVERY procedure for this airplane?
5. Why is it important to recover from a spin both quickly and smoothly?

NORMAL PROCEDURES

1. When do we lean the mixture? Describe the procedure.
2. When should Carburetor Heat be used?
3. What is the normal landing speed? Short field?

Performance

1. Given: Departing RYY with a temperature of 15° C and maximum takeoff weight. Determine the takeoff distance over a 50' obstacle using the SHORT FIELD T/O technique.
2. What is the endurance at 8,000' & standard temp at 65% power?

Weight and Balance

1. What is max takeoff weight?
2. Determine weight and balance (Use a BEW for any of our 172-P models)

	Weight	Arm	Moment
BEW	_____		
Pilot & Pass	400	_____	
Rear Occupants	200	_____	
Baggage A	20	_____	
Baggage B	0	_____	
Zero Fuel Weight		_____	
Fuel @ 6 LBS/GAL	240	_____	
Ramp Weight		_____	
Taxi Fuel Allowance		_____	
Takeoff Weight		_____	
CG Location		_____	

3. Is the aircraft within weight and CG limits? If not, show how we can be in 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 total fuel capacity? What is the total usable?
3. What types of fuel are approved?
4. How many fuel drains does the fuel system have? Where are they located?
5. What is the total oil capacity? What is the minimum capacity for normal flight operations?
6. Describe the electrical system.
7. What is the voltage of the battery? Where is the battery located in the aircraft?
8. What has happened when the low voltage light illuminates?
9. How can the pilot attempt to remedy a low or over-voltage condition?
10. Does the aircraft have an alternate static source? If so, where is it, and how do you activate it?
11. Describe the flaps. How are they used? What are the settings? At what speed do you lower the flaps?
What are the limitations?

- The End -