



AA-5B Checkout Questionnaire

Name _____ Date _____
Certificate and Ratings _____ Certificate # _____
Total Time _____ Time in type: _____ Instructor verifying _____

Airspeeds

1. What are the following V speeds in KIAS?

Vr _____ (normal takeoff)	Vno _____
Vy _____	Vne _____
Vx _____	Best Glide Speed _____
Va _____ (at gross weight)	Landing Speed:
Vso _____	-With full flaps _____
Vs _____	-With no flaps _____
Vfe _____	Demonstrated crosswind component: _____

At what speed does the rudder become effective _____

Max speed canopy open _____

Emergency Procedures

1. Describe the emergency checklist to follow when the engine has failed during takeoff:

A. Below 500' AGL: _____

B. Above 1,000' AGL: _____

2. What should we do if we experience low oil pressure and high oil temp?

3. What should be done if the ammeter indicates no output during flight?

4. Describe the 'Engine Fire During Start' procedure:

5. Describe the 'Fire In Flight' (engine fire) procedure:

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 takeoff, what position should the fuel pump switch be on? _____.

4. Can we takeoff with the cabin open? _____

5. When and why do we lean the mixture? Describe the procedure.

Performance

Find: Takeoff Ground Roll under the following: Airport: RYY Zero Flaps

P/A Sea Level Temp 20° C. Gross Weight _____ 50' obstacle _____

Find: Landing Distance (50' Obst) under the following: Airport: RYY Full Flaps P/A 2,000'

Temp 20° C. Gross Weight _____

Weight and Balance

1. What is the maximum weight for the following:

<i>Condition</i>	<i>Category</i>	
Max. Takeoff weight	Normal: _____	Utility: _____
Max. Weight (Bag comp.)	Normal: _____	Utility: _____

Perform the weight and balance calculation for the following criteria:

	Weight	Moment
BEW	1459	121.23
Pilot	175	
Copilot/ front pass	120	
Rear Occupants	125	
Baggage	50	0
Zero Fuel Weight		
Zero fuel CG		
Fuel @ 6 LBS/GAL	300	
Ramp Weight		

What is the takeoff C.G.? Is it within limits?

SYSTEMS

1. Describe the engine.
2. What is the engine's maximum rated horsepower and RPM?
3. What RPM range should we avoid during a descent?
4. What is the total fuel capacity? What is the total usable? How much fuel is in the tank if filled to the tab?
5. How many fuel drains are there? _____. Where are they? _____.
6. The fuel selector has ____ positions.
7. What types of fuel are approved and what are their colors?
_____.
8. What are the normal operating minimum and maximum oil capacity (*not POH minimum oil capacity*)?
9. What is the proper procedure to secure the engine cowling?
10. Describe the electrical system. Include the voltage of the battery and how the ammeter works
11. Describe the proper procedures for the cockpit check ?

12. Does the aircraft have an alternate static source? If so, where is it, and how do you activate it?
13. Describe the flaps. How are they used? What are the settings? At what speed do you lower the flaps?
14. Describe the nose gear and its operation.

Stall and Spin Awareness

1. Describe the recovery procedure(s) for the following:

Power-Off Stall: _____

Power-On Stall: _____

Spins: _____