Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395 Fax:678-989-2396



Lanier Flight Center 172-S Checkout Questionnaire

Name		Date		
Certificate and Rating		Certificate Number		
Total Time		Instructor (if applicable)		
1.	Systems What type of engine does the aircraft have? What is the engine's maximum rated horsep	(specify make and model)		
3.	What is the total fuel capacity? What is the total usable?			
4.	How many fuel drains are there on the follow	wing? Left wing Right wing		
5.	How many fuel drains are there on the underside of the forward fuselage?			
6.	The fuel selector haspositions. Fue	el is shut-off with the		
7.	How many engine driven vacuum pumps do	es the airplane have?		
8.	What types of fuel are approved?			

Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395 Fax:678-989-2396



9. What is the total oil capacity? What is the minimum capacity for normal flight operations?

10. Describe the electrical system.

11. What is the voltage of the battery? Where is the battery located in the aircraft?

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

13. How can the pilot attempt to remedy a low or over-voltage condition?

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

15. Describe the flaps. How are they used? What are the settings? At what speed do you lower the flaps? What are the limitations?

Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395

Fax:678-989-2396



Normal Procedures

1.	List the proced	lures to be	followed	for a	normal	engine	start.

2. Explain the procedure for starting a hot engine.

3. Prior to takeoff, in what position should the fuel pump switch be? _____

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

5. What is the normal landing speed? Short field?

Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395 Fax:678-989-2396



Emergency Procedures

	Emergency Procedures
1.	Describe the emergency checklist to follow when the engine has failed in flight.
2.	What actions should be taken if there is smoke in the cockpit?
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?

Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395 Fax: 678-989-2396



Performance

- 1. Given: 37 degrees C, 4 kt tailwind, P/A 1,500 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 max takeoff weight:

	Weight	Arm	Moment
BEW	1718.2	41.072	70569.91
Pilot & Pass	400		
Rear Occupants	200		
Baggage 1	20		
Baggage 2	0		
Zero Fuel Weight			
Fuel @ 6 lbs/gal			
Ramp Weight			
Taxi Fuel Allowance			
Takeoff Weight			
CG Location			

3. Is the aircraft within CG limits? If not, show how we can be in CG limits.

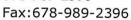
Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395



Fax:678-989-2396

4.	What aircraft category(ies) is the aircraft certified under?
5.	What is the maximum allowable weight in the baggage area 1? 2?
	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?

Lee Gilmer Memorial Airport 1115 Aviation Way, Gainesville, GA 30501 678-989-2395





4.	What is the	SPIN	RECOVERY	procedure	for this	airplane?
----	-------------	-------------	----------	-----------	----------	-----------

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

Airspeeds

1.	What are the following	V Speeds in KIAS?
	Vr_	•
	Vy	
	Vx	
	Va	
	Vso	
	Vs	
	Vfe	
	Vno	
	Vne	
	Best Glide Speed Max V	Veight