

**WINFC WEIGHT & BALANCE**  
**(Aircraft Knowledge Examination Supplement)**

**\*\*To be completed for all initial aircraft checkouts and for the aircraft used for the annual standardization check.**

Check Flight Aircraft: \_\_\_\_\_ Make & Model: \_\_\_\_\_

1. Maximum take-off/landing weight: \_\_\_\_\_/\_\_\_\_\_
2. Maximum baggage weight (total all areas): \_\_\_\_\_
3. Max. weight of people & baggage allowed on board w/ full tanks: \_\_\_\_\_
4. Maximum crosswind take-off component (knots): \_\_\_\_\_

The following information will be calculated during pre-flight the day of the check flight:

<u>WEIGHT &amp; BALANCE</u>	<u>WEIGHT</u>	<u>MOMENT</u>
Basic Empty Weight:	_____	_____
Pilot & Front Passenger	_____	_____
Rear Passenger(s)	_____	_____
Cargo	_____	_____
Fuel (Useable)	_____	_____
 TOTAL	 _____	 _____

Center of Gravity = Moment/weight: \_\_\_\_\_

5. Is this aircraft within weight & balance limits? \_\_\_\_\_
6. Is the CG forward, midway or aft? \_\_\_\_\_
7. Take-off distance: \_\_\_\_\_ Landing Distance: \_\_\_\_\_ Sum: \_\_\_\_\_

*\*\*Emergency procedures for a minimum of 5 of the following will be tested orally by the CFI:*

- |  |                                      |
|--|--------------------------------------|
| _____ Engine Failure   | _____ Use of Carburetor Heat         |
| _____ Forced Landings  | _____ Rough Engine Ops/Loss of Power |
| _____ Fires  | _____ Leaning Procedures             |
| _____ Icing  | _____ Bulked Landing                 |
| _____ Magneto Burn-out Procedure   | _____ Cold Weather Operations        |
| _____ Landing with a Flat Tire   |                                      |
| _____ Electrical Malfunctions  |                                      |
| _____ X-wind, Tail-wind, Gusty-wind Taxiing, Take-Off and Landing Procedures |                                      |
| _____ Landing Gear Emergency Extension                                       |                                      |

PILOT \_\_\_\_\_ CFI \_\_\_\_\_ DATE \_\_\_\_\_