C150 Aircraft Knowledge Review

Pilots Name:	_ Da	te:				
Reviewed By:	Da	te				
Sec	tion 1 - Genera	al				
Engine Model:What grade and color of fuel should be used in this aircraft?Grade: Color: .						
3. What is the usable fuel capacity	?					
I. What brand and weight of oil should be used?						
Section 2 - Limitations						
1. List the V speeds for the Cessna	150 (MPH)					
Vne	Va 1600 lbs					
Vno	Vfe					
Va 2300 lbs						
2. What do the white and green arcs on the airspeed indicator represent? White: .						
List the max off weight: Normal: Output Discrepance of the series of the serie						
Section 3 –	Emergency Pr	ocedures				
1. List the following priorities 1, 2, or 3 (common knowledge)						
Navigate Communicate	Aviate					
2. List the appropriate speeds to be	used during the f	following (KIAS):				
Engine failure after take-off: Flaps up: mph Flaps Down mph Best glide speed:mph How far can you glide if you are 3000ft AGL? What is Maneuvering Speed and When do I use it?						

Airspeed Carburetor Heat Fuel Selector Valve Complete the following checklist items flight Avionics Power Switch Alternator Circuit Breaker Master Switch If Ammete	4 5 6 s for t	Prim	on S er mina	Switch		
Carburetor Heat Fuel Selector Valve Complete the following checklist items of flight Avionics Power Switch Alternator Circuit Breaker Master Switch	6	Prim	er mina	Switch		
I. Complete the following checklist items on flight		Prim	er mina			
n flight Avionics Power Switch Alternator Circuit Breaker Master Switch	s for	the illu				
Alternator Circuit Breaker Master Switch						ge light
3 Master Switch			4	Master S		
		5 Low Volt				
			6	Avionics	Power	
II AIIIIIELE	r ch	OWC O	dicol	Switch		
Alternator	1 5110	JW5 d	uisti	large		
2 Non-essential radios and						
electrical						
B Flight						
Normal take-off and climb Short field take-off (flaps 0°) Best Rate of Climb Vy @ sea level Best Angle of Climb Vx @ sea level Normal approach to landing – flaps up Normal approach to landing – flaps 30°						
Normal approach to landing – liaps 50						
2. Oil Level (quarts) Min: Max:3. Describe the procedure for a short field take-off						
Flaps	5	Mixtu	ıre			
2 Carburetor Heat	6	Eleva				
B Brakes	7	Clim		eed		
I Throttle	8	Flaps	s ret	ract		
I. What checklist items should be compl				ing?		
Seats, seat belts,	3	Mixtu	ıre			
shoulder harnesses	1			1 .		
Puel selector valve	4	Carb	uret	or heat		
5. What would alert you to an imminent s 6. Describe the Balked Landing (go-arou			dure	·		

Section 5 Performance

1.	Why does stall speed increase with bank angle? (common knowledge)				
	What is the stall speed at 0deg flaps and 40deg bar	nk?			
2.	2. What is the Cruise RPM setting for 2500ft MSL? What is the gal/hr?				
	3. Determine the take-off distance required to clear a 5 conditions: Weight - 1600 lbs Pressure alt OAT - 85F Wind - Calm Surface - Dry grass Take-off Distance:	– 1000'			

4. Determine the landing distance to clear a 50' obstacle under the following

conditions: (assumed flaps = 40 deg)

Weight – 1600 lbs
OAT – 60F
Landing Distance:

Pressure Alt – 1000'
Head wind – Calm

Section 6 Weight and Balance

1. Using the following weight and balance information for N23453, perform a weight and balance for the following flight and determine if the aircraft is within limits.

Pilot = 200lbs, CoPilot = 200lbs, Fuel = full

Section 7 Systems

- 1. T or F Brakes should be used at all times during taxiing? (common Knowledge)
- 2. T or F Does N23453 have a standby vacuum system?
- 3. Which two flight instruments are powered by the vacuum system?