Aircraft Checkout Written Test: Vans RV-12 CHI Aerospace

Pilot Name:					Date:	
Instructo	or:					
I - Airs	speeds (KI	AS)				
VS0	VS1	VR	VX	VY	VGLIDE	
VA	VFE	VNO	VNE			
Short Fi	eld VR:	Max	Allowable S	hort Field I	Flap setting:	
Soft Fie	ld VR:	Max A	Allowable So	ft Field Fla	p setting:	
Cruise C	Climb Speed:					
Approac	ch Speed:					
Short Fi	eld Approach	Speed:				
II - Fu	el and Oil					
Total Fu	el:	Gallons _	lb	S		
Total Us	sable Fuel:	Ga	allons	lbs		
Total Ur	nusable Fuel:		Gallons	lbs		
What ar	e the approve	ed fuel grades	for the aircra	ıft?		
How ma	any fuel sump	s are there on	the aircraft?			
Why is t	there unusabl	e fuel?				
What is	the max fuel	burn for the a	aircraft?			
What ar	e the minimu	m reserve fue	el requiremen	ts for day a	and night?	
Day:						
1	Night:					

How would you monitor your fuel burn?						
There is one fuel gauge indication level that must always show the correct quantity of fuel in the tank. At what level is this?						
The engine has an oil capacity of quarts, and quarts are considered the minimum for normal flight per the POH.						
What would be the minimum oil level you would fly with and why?						
Minimum allowable oil pressure is psi; Maximum allowable oil pressure is psi.						
You check the oil and it's a bit low. What type of oil would you add?						
III - Weight and Balance						
Maximum Ramp Weight: lbs						
Maximum Take-Off Weight (MTOW): lbs						
Maximum Baggage Weight: lbs						
Weight of Useable Fuel: lbs						
Weight of Oil: lbs per quart						
Max Forward CG at MTOW: inches						
Max Aft CG at MTOW: inches						
What is the definition of licensed empty weight?						
What is the definition of Basic empty weight?						
What is the definition of useful load?						
What is the definition of payload?						

IV - Aircraft Systems

How is fuel supplied to the engine?						
Does the airplane have an electric fuel pump?						
Is the aircraft carbureted or fuel injected?						
What is the starting procedure for this aircraft (first start of the day/cold start)?						
What is the warm start procedure for this aircraft?						
Describe the engine. Make, model, cylinders, etc						
What is the engine horsepower and at what RPM?						
Alternator voltage is volts, and current is amps.						
Battery voltage is volts, and capacity is amp-hours.						
The output of the alternators is maintained at volts by the						
How is the alternator checked during the engine run-up before takeoff?						
What would alert you to an alternator failure?						
Where is the battery located?						
Where is the static port located? Is there more than one? If so, how many and where are they?						
What type of landing gear system is on the aircraft?						

What type of flaps does the aircraft have?
Flap setting for short-field takeoff:
Flap setting for soft-field takeoff:
V - Emergency Procedures
What is the correct spin recovery procedure for the aircraft?
What is the proper procedure for remedying engine roughness and/or power loss in flight?
What is the emergency procedure for engine loss during cruise flight (including initial response, field selection troubleshooting, communication, and forced landing)?
What are the corrective actions taken when there is an excessive rate of charge on the ammeter?
What are the corrective actions taken when there is an excessive rate of discharge on the ammeter?
What action should the pilot take in the event of an engine fire during engine start?
What action should the pilot take in the event of an engine fire during flight?

What is the procedure for a balked landing (go-around)?

Is a go-around considered an emergency procedure? If so, why?

VI - Performance & Weight and Balance Computations

CFI weight:lbs	
Pilot's weight: lbs	
Fuel: gallons = lbs	
Baggage: lbs	
Weight and Balance Computation:	
Total weight: lbs	
Total moment: in-lbs	
Where is the center of gravity?	Does it fall within the CG envelope?
Using the following conditions, compute the takeoff Today's temperature:°C	and landing distance over a 50 ft obstacle:
Surface wind: degrees at kn	ots
Altimeter setting: in Hg Pressure altitude: feet	
Takeoff distance over a 50' obstacle:	feet
Landing Distance over a 50' obstacle:	feet
Instructor Signature:	
Pilot Signature:	
Date:	