Aero Atlanta Flight Center - Cessna 172S Questionnaire

Name:	Date:
Using the Cessna Pilot Operating Handbook, answer	r the following questions:
<u>General</u>	
Who is the manufacturer of the engine?	At what RPM?
What is the total capacity of the oil sump?	At what RPM?
What is the total fuel capacity?	How much is usable?
<u>Limitations</u>	
What is the never exceed speed (Vne)?	
What is the max structural cruising speed (Vno)?	
What is the max window onen speed?	
What is the maximum maneuvering speed for 10 de	grees of flaps (Vfe)? for 20 or 30 degrees of flaps?
what is the maximum maneuvering speed at 2550 p	ounds (Va)? at 2200 pounds? at 1900 pounds? essure gauge?
What is the maximum recommended rom at SI	5,000 and 10,000 ft?
	spins?
List the following weights:	эрінә :
and the telephone weighted	
Weights:	
Max Ramp:Max Takeoff:	Max Landing:Standard Empty:
Max Useful:Baggage Area :	1:Baggage Area 2:
Emergency Procedures	
What is the best glide speed for the Cessna 172S (V	
	g flight, what should you do?
If the LH Vacuum Annunciator illuminates during	flight, what should you do?
What is the emergency frequency?	
What is the emergency squawk code?	
What airspeed should be used if you encounter a	n in-flight engine fire?
Normal Procedures	
Normal Frocedures	
What is the speed for the best rate of climb (Vv)?	
What is the speed for the best angle of climb (Vx) .	
	ponent for the Cessna 172S?
Describe the steps for engine starting under the f	
Cold Start:	
Hot Start:	
Describe the leaning procedures using the EGT fo	
RECOMMENDED LEAN:	
BEST ECONOMY:	
	_seconds of cranking followed by seconds of cool down.
What are the three recommended fuel savings pr	
1	
2	
3.	magnings for breaking loose the city
what is a recommended step for starting on cold	mornings for breaking loose the oil?

Performance

Use the following information to answer questions.

	conditions .01250Z 3320KT 010SCT 15/10 A	N29.82	
What will	he your takeoff distance from McC	Collum Airport?	
What will	you have for a crosswind compone	Collum Airport?ent if RWY 27 is in use?	
What will	be your calculated KTAS and fuel	flow for cruise at 8,000 MSL?	
What will	you have for landing distance at K	RYY? (Landing roll and distance to clear a 50' obstacle?	
What is th	ne aircraft stall speed with the flap	s up and a bank angle of 0?s at 30 degrees and a bank angle of 0?	
what is ti	ie aircraft stall speed with the hap	s at 50 degrees and a bank angle of 0?	
	k Balance		
	ircraft – C172S		
	asic Empty Weight 1,718 ayload		
,	Pilot	170lbs	
	Front Passenger	160lbs	
	Rear Passenger	160lbs	
	Baggage Fuel	20lbs 318lbs	
What is yo	ur ramp weight?		
What is yo	our aircraft's zero fuel weight?		
What will b	pe you're aircraft's gross takeoff weig	ht?	
How much	n fuel will you have on board in gal ar	nd lbs before takeoff?	
	aircraft be within CG limits?		
will you're	aircraft be within CG limits?		
Systems			
		nnunciator light to illuminate?	
		recommended in the crankcase?	
What two	conditions cause the LOW FUEL a	nnuciator light to illuminate?	
How man	v fuel drain valves are there and w	here are they located?	
What is th	ne voltage of the electrical system?	?What is the voltage of the battery?	
		ght to illuminate?	
What cau	ses the ALT FLD circuit breaker to	open?	
		a low vacuum indicator light?	
How man	y vacuum pumps are there?		
Handling	Service & Maintenance		
		the nose tire and main tires respectively?	
		dshield and windows on the aircraft?	
		eaner?	