

PA-28-181 N199PA TEST QUESTIONS

Name: _____

Date: _____



What is the total fuel capacity? _____ Gallons Usable? _____ Gallons Fuel to tabs? _____ Gallons

What is the correct fuel grade? _____

Where are the fuel drains located, and when are they drained? _____

What is the recommended grade and type of oil? _____

What is the FMFC operating oil level? _____

What is the Empty weight? _____ Useful load? _____

Maximum gross (1) takeoff weight? _____ (2) ramp weight? _____

What are the recommended airspeeds (KIAS) and flap settings for:

Normal takeoff, flaps up _____

Normal landing, flaps down _____

Soft-field takeoff, flaps 25 degrees _____

Soft-field landing, flaps down _____

Short-field takeoff, flaps 25 degrees _____

Short-field landing, flaps down _____

Short-field landing over 50' obstacle _____

List the following airspeeds:

Best rate of climb (Vy) _____

Best angle of climb (Vx) _____

Maneuvering speed, gross weight (Va) _____

Maximum flap extension (Vfe) _____

Stalling speed, clean (Vs) _____

Stalling speed, full flaps (Vso) _____

Best gliding at max gross weight _____

Best gliding at 2200 lbs. _____

Never exceed (Vne) _____

What is the maximum demonstrated crosswind component? _____

N199PA is equipped with a carburetor ice detection system. How do you adjust this system? _____

What is the proper procedure if carburetor ice is detected? _____

What would be the indication of alternator malfunction? _____

How would you restore electrical power? _____

What would you do if unable to restore the alternator power? _____

In the event the vacuum pump failed, what is the procedure? _____

In the event the electrical system failed, what flight instruments would not be available? _____

Where is the alternate static source located, and what is the operation? _____

What flight instruments would be available if the static system was plugged and there was no alternate static source?

What is the TAS, and fuel consumption for the following at maximum gross weight?

65% power, 7,000', standard temperature TAS _____ Fuel Consumption _____

What is the take off roll at 32 degrees C, max. gross weight, sea level? _____

How do you drain the pitot static system during pre-flight? _____

What aircraft documents must be on board during flight? _____

What is the engine failure procedure immediately after takeoff? _____

Upon parking the aircraft how do you verify the ELT is not transmitting? _____

Prior to departing the aircraft why is it critical to be certain that the magneto switches are in the off position?
