

Private Jets CE-421 Oral Questions

Name: _____

Date: _____

Score: _____

Aircraft Make/Model _____ Engine Make/Model _____ HP _____ @ _____ in. _____ RPM

Props Make/Model _____ Max Oil Quantity _____ Min Oil for flight _____

Maximum TO Power Setting _____ Climb Power Setting _____

Caution RPM Range _____ If you lose engine oil pressure will prop feather _____

Why? _____ Does A/C have Unfeathering Accumulators _____

Limitations: Max Ramp Weight _____ Max Takeoff Weight _____

Max Landing Weight _____ Max Fuel Quantity _____ Max useable Fuel _____

Max Baggage Weights _____ How many Fuel Tanks _____ Min Fuel Grade _____

Color _____ How many electric fuel pumps _____ Engine Driven Fuel Pumps _____

How many fuel drains _____ V_{so} _____ V_{s1} _____ V_{mc} _____ V_a _____ V_{yse} _____ V_{le} _____

V_{lo} _____ $V_{fe(0-15)}$ _____ $V_{fe(15-45)}$ _____ V_{no} _____ V_{ne} _____ Minimum App Speed _____

Battery Volts/amps _____ Location _____ GPU Location _____

Position of BAT & ALT switches for GPU Start _____

What type of retractable gear _____ What prevents retraction on ground _____

Tire Pressure Nose _____ Mains _____ Type of flaps _____

Takeoff Conditions:

Passenger Weights_____

Baggage Weights_____

Fuel Load_____

Calculate Weight & Balance and all flight related forms, obtain release

Takeoff Weight_____

Field Elevation_____

Temperature_____

Wind_____

Accelerate Go Distance_____

Accelerate Stop Distance_____

Single Engine Climb Performance_____

Landing Distance_____