



DA40 AIRCRAFT CHECKOUT QUIZ

Pilot's Name _____ Total Flight Time _____ Date ____/____/____

Checked out by _____

Chapter 2.

List the following V-speeds for the aircraft in KIAS:

V_{so}: _____ V_x: _____ V_y: _____

V_s _____ V_{fe} Takeoff ; _____ V_{fe} Full: _____

V_{no} _____ V_{ne} _____ V_r: _____

Approach (Flaps Down) _____ Max Demonstrated Crosswind _____

Best Glide: _____ V_a Gross Wt.: _____ V_a 1720 lb.: _____

Describe the Engine. _____

What is the Max RPM for continuous operation? _____

Describe the Propeller and how it functions. _____

What is the Oil Capacity? _____ Minimum allowable? _____

What is Max gross weight? _____ Max landing weight? _____

Are spins approved in this aircraft? _____

What is the total Fuel Capacity _____ Total Useable Fuel _____

What is the maximum permissible difference between the fuel levels? _____

Chapter 3.

List the appropriate actions upon having an engine failure during flight. _____

List the appropriate actions upon having an engine fire during startup: _____

List the appropriate actions upon having an engine fire in flight. _____

Chapter 4.

In which position should the canopy and rear door key locks be before takeoff? _____

Describe the before starting and starting procedure (normal): _____

How is a hot start different? _____

Describe the flooded start procedure. _____

Describe the normal takeoff procedure. _____

Describe the go around procedure. _____

With respect to mixture, prop and throttle, what is the proper procedure for:

(a) Decreasing power: _____

(b) Increasing power: _____

Chapter 5.

Calculate takeoff distance from FTY with max. gross weight, 8 kt. headwind and 25° C. (assume standard pressure).

Given standard temp at 7000' pressure altitude describe the power setting you would choose (Give %BHP, TAS and GPH) for a x-c flight. _____

Calculate the endurance @ 75% power. _____

Chapter 6. Calculate weight and balance under the following conditions:

	Weight	Arm	Moment
BEW:	_____	_____	_____

Front seats:	425	_____	_____
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Rear seats:	150	_____	_____
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Baggage:	35	_____	_____
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Oil (6 qt: read POH!) _____

Zero fuel wt.: _____

Full fuel: _____

Ramp wt.: _____

Taxi fuel (Pg. 2-12)	- 9	_____	_____
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Takeoff wt. _____

Is the aircraft within weight & balance limits? _____

If not, how could it be brought into limits? _____

Chapter 7.

What is the purpose of the alternate static air valve? _____

Where is it located? _____

What are the fuel selector positions? _____ How many fuel vents are there? _____

What will happen if the tanks are not vented properly? _____

How many fuel drains are there? _____

When should the Auxiliary Fuel Pump be used? _____

What is the electrical system voltage? _____

How is the system powered? _____

How many batteries are there in this aircraft and where are they located? _____

What is the battery voltage? _____

What takes the alternator off line in the event of an over-voltage condition? _____

How are the electrical circuits protected? _____

Describe the vacuum system. _____

What instruments operate off the pitot-static system? _____

How is the alternate static valve opened? _____

Chapter 8:

Which de-icing fluids are approved for use on this aircraft? _____

How should the gust lock be installed? _____

Is it permissible to raise the nose wheel by pushing down on the tail? _____

How should the tow bar be installed? _____

Chapter 9:

Where and when should you turn on the autopilot and when should you disengage it? _____

How would you disconnect the autopilot in the event of a problem? _____
