

PACIFIC FLYING CLUB

C-152 Exam

Checkrides & 6-Month Recurrency

Members Name: _____ Date: _____

Performance

1) What are the critical speeds for the following conditions?

- a) Power off stall, flaps up _____ KIAS
- b) Power off stall, flaps down _____ KIAS
- c) Maneuvering speed @ maximum weight _____ KIAS
- d) Maneuvering speed @ 1500 lbs _____ KIAS
- e) Maximum flap extension _____ KIAS
- f) Maximum structural cruise _____ KIAS
- g) Never exceed speed _____ KIAS
- h) Best angle of climb _____ KIAS
- i) Best rate of climb @ sea level _____ KIAS
- j) Best rate of climb @ 10,000 feet _____ KIAS
- k) Short field approach _____ KIAS

2) How does the bank angle affect stalling speed? _____

3) What is the significance of each of the following airspeed indicator markings?

- a) White arc _____
- b) Green arc _____
- c) Yellow arc _____
- d) Red line _____

4) What is the anticipated rate of climb at maximum gross weight at:
Sea Level _____ fpm
8,000 feet _____ fpm

5) The fuel consumption at 65% power at 4,000 feet is _____ GPH

6) The maximum range at 5500 ft in an aircraft with standard tanks is _____.

7) The maximum gross weight for a C-152 is _____ lbs.

8) Determine the take-off distance (climb to 50 feet) under the following conditions: _____ feet

- Elevation: 1250 feet
- Temperature: 24° C
- Altimeter setting: 28.45"Hg
- Wind: 28@ 15 Kt
- Runway in use: 25

9) The maximum demonstrated crosswind component is ____ KTS

Systems

- 1) Total fuel capacity, with 2 standard tanks is _____ US Gal
Total useable fuel is _____ US Gal
- 2) What are the 2 sides of the master switch? _____
- 3) What does the over-voltage light indicate? _____
- 4) What instruments are connected to the pitot-static system? _____

- 5) Which instruments are connected to the vacuum system? _____

- 6) What drives the vacuum system? _____

Weight and Balance

- 1) What is the maximum baggage allowed in:
Baggage area 1 _____
Baggage area 2 _____
- 2) What is the maximum gross weight? _____
- 3) Complete the following weight and balance:

	Weight	Moment/1000
Basic Empty Weight	1140	33.9
Pilot	155	_____
Passenger	130	_____
Fuel (18 US Gal)	_____	_____
Baggage	60	_____
Total Weight	_____	_____
What is the centre of gravity?	_____	_____

- 4) What are the forward and aft CofG limits at:
 - (a) 1670 lbs forward _____ aft _____
 - (b) 1300 lbs forward _____ aft _____

- 5) What is the maximum amount of fuel that can be carried in the above aircraft with a 170 lbs pilot, 185 lbs pilot and 100 lbs of baggage? _____

How long can you fly on this fuel at 5000 ft on a standard temperature day at 2400 RPM? _____

Procedures

- 1) Why is it not advisable to taxi with the carb heat on?

- 2) Why is it not appropriate to pump the throttle while trying to start the engine? _____
- 3) What is the maximum amount of flap recommended for takeoff?

- 4) When cruising at any altitude the mixture should be leaned when using _____% power or less?
- 5) When can you lean the mixture in the climb? _____
- 6) When you encounter turbulent air what speed would you slow down to? _____
- 7) When taxiing with a left quartering tailwind, use _____ aileron on right wing and _____ aileron on right wing, and _____ elevator.

Emergencies

- 1) What is the maximum glide speed ? _____ KIAS
- 2) State the actions required in the proper sequence for following emergencies:
 - a) Engine fire during start up _____
 - b) Engine fire in flight _____
 - c) Electrical fire in flight _____
 - d) Alternator malfunction _____

PACIFIC FLYING CLUB CHECKRIDE FORM

1. WHEN MUST A FLIGHT PLAN BE ISSUED?

2. FOR HOLDER OF A PRIVATE OR COMMERCIAL LICENCE, HOW OFTEN MUST THEY FLY TO BE "CURRENT"?

3. HOW OFTEN IS A CHECKRIDE REQUIRED?

4. WHAT IS THE CLUB POLICY FOR OVERNIGHT TRIPS?

5. WHAT SHOULD YOU DO IF YOU ANTICIPATE RETURNING AFTER YOUR DISPATCHED ETA?

6. WHAT ARE THE WEATHER MINIMA FOR LICENCED PILOTS IN THE PRACTICE AREA?

7. WHAT ARE THE WEATHER MINIMA FOR LICENCED PILOTS ON CROSS COUNTRY FLIGHTS?

8. WHAT IS THE REQUIRED FUEL QUANTITY FOR DAY VFR FLIGHTS?

9. WHAT IS THE CLUB'S POLICY FOR GRAVEL AND SOFT FIELD LANDINGS?

10. HOW DOES A PILOT DETERMINE IF THERE ARE ANY OUTSTANDING DEFECTS ON A PFC AIRCRAFT?

11. HOW DOES A PILOT REPORT AIRCRAFT DEFECTS?

12. IF ATC GIVES YOU CLEARANCE OR INSTRUCTION YOU DO NOT UNDERSTAND HOW SHOULD YOU RESPOND?
