East Coast Aero Club Renter Quiz

Marc Nathanson 8 November 2018

Date of completed check out: _____

Name of Pilot: _____

Instructor's Name: _____

Aircraft Type Aircraft _____

Aircraft N_____

Aircraft Checkout Quiz.

Thank you for choosing East Coast Aero Club for your aircraft rental and flight training needs!

The following quiz should help familiarize you with the aircraft and privileges sought. The following test is required by policy prior to acting as PIC in any aircraft. Please take a few minutes and get to know your aircraft. Consult the appropriate aircraft POH and answer the following questions:

Section 1 GENERAL

1. What engine model is the aircraft equipped with and what is its rated horsepower?

_____

2. What are the approved fuel grades? _____

Total Capacity? _____

Total Useable? _____

3. What is the Oil Capacity? _____

4. Maximum Takeoff Weight? _____

5. Maximum Landing Weight? _____

6. Maximum Weight in the baggage compartment(s)? _____

7. What is the useful load of this aircraft? _____

8. What is the payload of the aircraft with full fuel? _____

Section 2 LIMITATIONS

1. Is this a/c rated for IFR flight operations? _____

2. Is this a/c rated for flight into known icing conditions? _____

2 VX_____ VFE_____ VY_____ VLE (Retractable gear aircraft) _____ VG_____
VLO_____ VA_____ VYSE (multi)_____ VR_____ VMC_____ (multi)

Section 3 EMERGENCY PROCEDURES

1. State procedures for ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF.

_____
_____

2. State procedures for ENGINE FAILURE DURING FLIGHT.

_____
_____
_____
_____
_____

3. State procedures for electrical FIRE DURING START.

_____
_____
_____

4. State procedures for engine FIRE IN FLIGHT

_____
_____
_____

5. State procedures for SPIN REVOVERY for this
aircraft_____
_____
_____

3 Section NORMAL OPERATIONS

1. State the location of each Fuel Sump Quick Drain Valves.

_____
_____

2. What is the minimum OIL quantity authorized for flight by East Coast Aero Club?

_____

3. What pilot action is required if ENGINE FLOODING or EXCESSIVE PRIMING is suspected?

_____
_____

4. (If installed), Is the Electrical Fuel Pump used during a normal takeoff?

_____

5. For takeoff, what is the NORMAL flap setting and associated climb speed?

_____

_____

6. What is the SHORT FIELD Takeoff flap setting and associated climb speed?

_____

_____

7. What is the ENROUTE CLIMB speed? _____

8. What is the NORMAL landing Airspeed with full flaps?

_____

9. What is the SHORT FIELD landing flap setting and associated airspeed?

_____

10. What is the maximum RECOMMENDED STARTER DUTY CYCLE? (i.e., "If engine doesn't start within_____ seconds, disengage starter to prevent overheating the starter motor.")

11. During MAGNETO CHECK, RPM drop should not exceed_____ RPM on either magneto or show greater than_____ RPM differential between magnetos.

12. At field elevations above 3000 feet, the mixture should be _____, for best power, prior to TAXI and TAKEOFF.

13. What is the recommended leaning procedure during CRUISE?

_____

14. For fixed pitch propellers, what is the static RPM (hint; see Limitations)._____

Section 5 PERFORMANCE

1. What is the takeoff distance at 2,000' Pressure Altitude and 30° C? Over a 50ft obstacle?

2. What is the maximum rate of climb at 2,000' Pressure Altitude and 30° C?

3 What are the POH values for TAS and GPH at 65% power, 8,000' Pressure Altitude, and Standard Temperature? _____

4. With a full fuel load at 75% power and 9,000' Pressure Altitude, allowing for 45 mins reserve, what is the maximum endurance? _____

5. What is landing distance at 2,000' Pressure Altitude and 30o C?

Section 6 WEIGHT & BALANCE/EQUIPMENT LIST

1. Complete a TOLD Sheet for today's flight
    a. Aircraft weight_____
    b. Winds; Head/Cross_____/_____

c. Temperature_____
d. Pressure or Density Altitude_____
e. Conditions: Dry Wet Snow Ice
f. Runway length_____
g. Takeoff distance_____
h. Max aborted takeoff distance (Takeoff ground roll + landing ground roll +30% safety margin)_____
i. Landing distance_____

a. Perform Weight and Balance calculation:

b. Full Fuel

c. Passenger weight = 170lbs

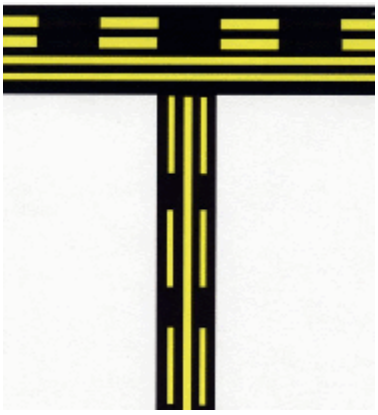
d. Cargo weight = 30lbs

Section 7 Airfield signage

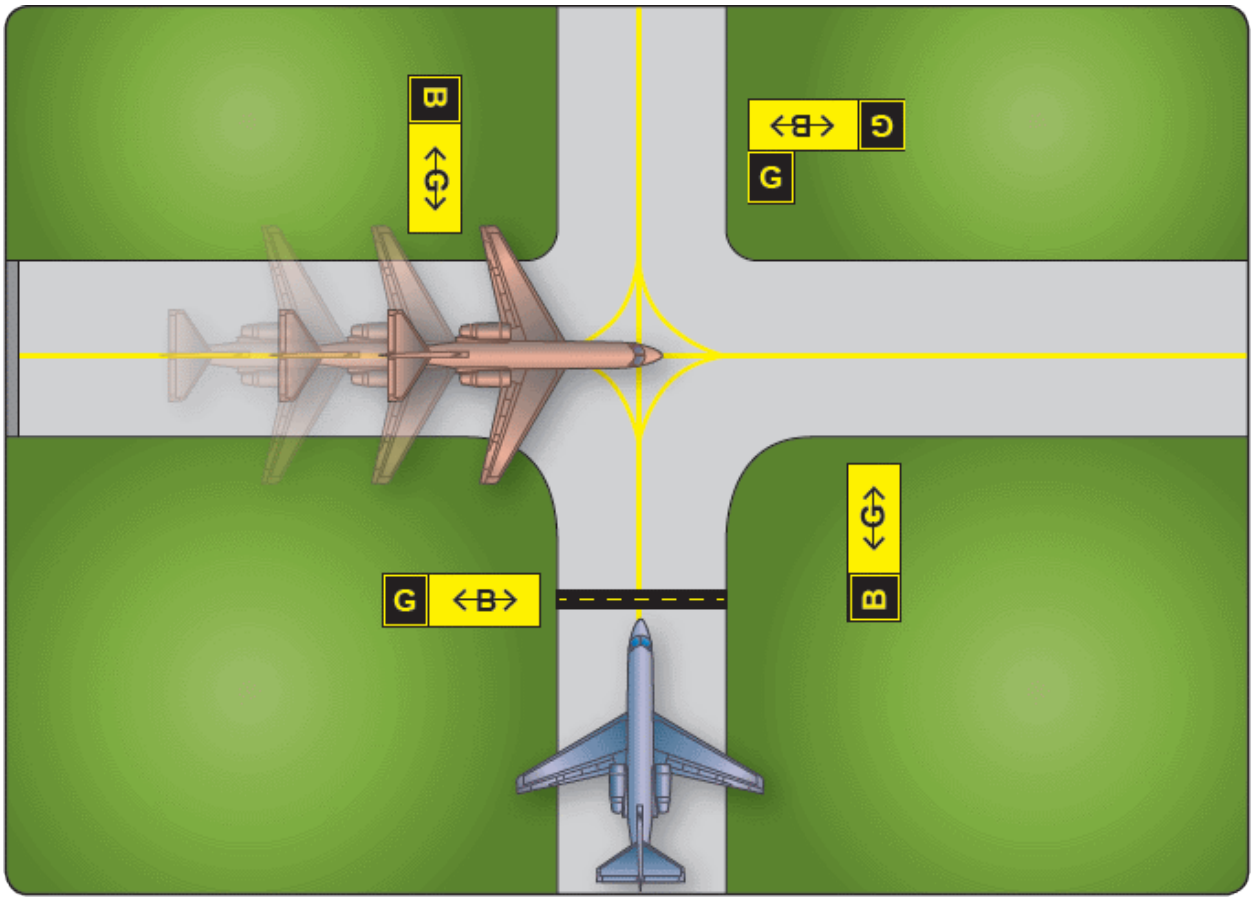
1. Refer to the figure below. What is the purpose of the chevron markings?

_____
_____

2. Refer to the figure below. What is the purpose of the lines on either side of the taxi line?_____
3. What is the purpose of the double solid and double dashed lines?_____
_____



4. **What is the purpose of the dashed line on taxiway “G”?**



5. **What is the purpose of the sign below?**

6. What does this sign tell you?

What does this sign mean?

What does this sign mean?_____

_____
_____
_____

Pilot Name: _____

Pilot Signature_____

CFI Name CFI Signature Date:

_____