

Pilot Name:

Rev.2

Date:

Instructor:

RV-12iS Quiz

1. Date of current weight & balance: _____
2. Aircraft Empty Weight: _____ lbs.
 - a. Maximum takeoff gross weight: _____ lbs.
 - b. Useful Load: _____ lbs.
3. Full fuel usable quantity: _____ gal.
4. Unusable fuel amount?
 - a. _____
 - b. Climbs / slips _____ gal.
5. Maximum passenger and baggage weight with full fuel: _____ lbs.
6. Maximum weight per seat: _____ lbs.
7. Maximum baggage: _____ lbs.
8. Tire Pressure:
 - a. Nose Tire _____ psi
 - b. Main Tires _____ psi
9. Engine:
 - a. Make: _____
 - b. Model: _____
 - c. Rated hp: _____
 - d. Max Continuous Power: _____

Pilot Name:

Rev.2

Date:

Instructor:

10. What are the values (KTS) for the following airspeeds?

- a. V_{so} :
- b. V_s :
- c. V_x :
 - i. V_y :
 - ii. V_{no} :
- d. V_{ne} :
- e. V_{fe}
- f. Takeoff rotate _____
 - i. Enroute climb _____
- g. Best glide: (at max gross weight)
- h. Go around _____ KIAS, Flaps _____
- i. V_a (V_o) _____ to _____

11. Maximum Demonstrated Crosswind _____ Kts

12. What are the flight load factor limits?

13. What kind of aerobatics are permitted?

14. Flight into IMC is _____ .

15. Flight at Night is _____ .

Pilot Name:

Rev.2

Date:

Instructor:

16. How do you check if the wing spar is installed properly?

17. What is the spar pin override switch?

a. Why should we never use spar pin override switch on the ground?

18. What is the approved engine oil?

19. Where should the oil level be on the dipstick for flying conditions?

20. Which direction can the prop be manually turned?

21. What should you do if the prop is turned in the opposite direction of rotation?

22. How does the Rotax 912iS generator supply power to the engine computers but not the main bus?

23. What happens if Generator A and Generator B fail?

24. What does a flashing fault indicator light indicate?

a. Fill in the blanks below:

Lane A	Lane B	Action on ground	Action in Flight
OFF	FLASHING		
FLASHING	OFF		
OFF	ON		
FLASHING	FLASHING		

Pilot Name:

Rev.2

Date:

Instructor:

FLASHING	ON		
ON	OFF		
ON	FLASHING		
ON	ON		

25. What does the EMS Backup Battery switch do, and when should it be used?

26. What does the EFIS switch provide when turned on?

27. How is the fuel-to-air mixture computed?

28. What actions should be taken for runaway trim?

29. What is the ground roll and 50-foot obstacle takeoff distance? Landing distance?

Condition: Weight 1320lb, Pressure altitude 1000', Temperature 80F, winds calm

30. What is the cruise speed and fuel flow at 4,500' MSL, standard day, 5000 RPM?

31. (Full fuel, 3500ft, standard temp, 5000rpm, no winds, -run up /taxi, - day VFR

reserve)

i. Range:

Endurance:

32. What must you advise each person being carried before commencing flight

operations?