

DIAMOND DA20-C1 CHECK OUT QUESTIONS
ASI JET CENTER

PILOT NAME: _____

A. SYSTEMS

1. How many fuel tanks are there? _____ What is the total fuel capacity of the airplane? _____ What is the total useable fuel? _____
2. What is the recommended fuel grade and color for the DA20? _____

3. How many fuel drains are there and where are they located? _____

4. When should the fuel be drained? _____

5. What are the minimum and maximum recommended oil levels and what type of oil is used at ASI? _____
6. What is the alternator size? _____ What is the battery size? _____
7. How are the flaps operated? _____
8. What are the flaps used for? _____
9. What is the engine type and horsepower? _____
10. What instruments operate off the Pitot/Static System? _____
Does the DA20 have an alternate static source? _____ Where? _____
If no, how can static pressure be supplied? _____
11. Does the DA20 have Pitot Heat? _____
12. What instruments are vacuum operated in the DA20?

B. AIRSPEEDS

(Define the given speed and give its numerical value)

<u>SPEED</u>	<u>DEFINITION</u>
1. VSO: _____	_____
2. VS1: _____	_____
3. VX: _____	_____
4. VY: _____	_____
5. VFE: _____	_____
6. VA: _____	_____
7. VNO: _____	_____
8. VNE: _____	_____
9. Best Glide: _____	_____

10. What is the stall speed in the landing configuration with a 60° bank? _____

11. What are the recommended air speeds on:

- a. Downwind: _____
- b. Base: _____
- c. Final: _____

12. What is the recommended normal climb out speed? _____

13. At what speed do we taxi? _____

C. PROCEDURE

1. What documents are required to be in the aircraft? _____

2. How does water appear, when drained from the fuel system? _____

3. Where is the air filter located? _____

4. How would you know if one of the brakes were leaking hydraulic fluid?

5. While doing a Magneto check during run-up, you notice that one of the mags does not produce a RPM drop. What does this indicate? _____

6. What are the recommended aileron and elevator positions during taxi?
 - a. Left-quartering head wind: _____
 - b. Left-quartering tail wind: _____
 - c. Right-quartering head wind: _____
 - d. Right-quartering tail wind: _____
7. What is the recommended normal approach configuration and speed? _____

8. What is the recommended short field takeoff and landing procedures? _____

9. What is the recommended soft field takeoff and landing procedures? _____

10. What action should be taken if ice is detected? _____

11. What would be the indication of an alternator failure and the proper action to be taken?

D. PERFORMANCE

1. What is the minimum runway length for takeoff under the given conditions?
 - a. Max gross weight, no wind, sea level press, standard. Temperature

 - b. Max-gross weight, no wind, 5000 ft. press, 100 F temp, 50 ft. obstacle

2. What is the power setting, fuel consumption and true airspeed for:
6000 Ft., standard temp., 65% power.
RPM: _____ KTAS: _____ Fuel (gph): _____

E. WEIGHT AND BALANCE

1. What is the aircraft's basic empty weight? _____
2. Maximum takeoff weight? _____ Useful Load? _____
3. What is the CG range at maximum gross weight? _____
4. Work a sample of weight and balance.

