

**BEFA CUB CRAFTERS 6 MONTH QUIZ  
CC18-180**

DATE \_\_\_\_\_

PILOT \_\_\_\_\_

INSTRUCTOR \_\_\_\_\_

1. What is the maximum takeoff gross weight? \_\_\_\_\_
2. What is the Empty Weight (with oil)? \_\_\_\_\_
3. What is the remaining useful load? \_\_\_\_\_
4. What is the useful load with full fuel? \_\_\_\_\_
5. With a 240Lb student and 190 lb instructor, what is the maximum fuel quantity allowable for flight?  
\_\_\_\_\_
6. What are allowable fuel grades/colors? \_\_\_\_\_
7. Where are the fuel drains located? \_\_\_\_\_
8. What is the maximum oil capacity? \_\_\_\_\_ and minimum oil level? \_\_\_\_\_
9. Describe the methods for airplane ground handling without a towbar:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. Where are the static ports located? \_\_\_\_\_
11. Where is the fuel shut-off valve located? \_\_\_\_\_
12. When flying solo, the rear seat belt and shoulder harness should be \_\_\_\_\_
13. Describe the flooded start procedure.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
14. While taxiing with a tail wind from the right, the control stick should be placed \_\_\_\_\_  
\_\_\_\_\_
15. List the IAS values, in MPH, for the following airspeeds:  
Vy \_\_\_\_\_ Vx \_\_\_\_\_ Go Around Speed \_\_\_\_\_  
Va \_\_\_\_\_  
Best Glide Speed \_\_\_\_\_  
Vo @2300lbs \_\_\_\_\_ @1800lbs \_\_\_\_\_ @1300lbs \_\_\_\_\_ Vne \_\_\_\_\_
16. What are the load factor limits for this airplane? Flaps up\_\_\_\_, Flaps down\_\_\_\_, Neg.\_\_\_\_\_

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17. Describe the engine air restart procedure:

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18. What is the takeoff distance and total distance to clear a 50 ft obstacle for 1580 lbs. weight, pressure altitude = 2000 ft, temperature 70°F and 7knots headwind?

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What is the landing ground roll distance and total distance to clear a 50 ft obstacle for 1550 lbs. s weight, sea level, standard temperature, with a 7kt headwind? \_\_\_\_\_

What assumptions are included in determining these distances? \_\_\_\_\_

19. What four limits are imposed on flight with missing vortex generators?

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_

20. How many times a day must the tire pressure be measured? \_\_\_\_\_

21. What is the Max tire pressure\_\_\_\_\_, Minimum tire pressure \_\_\_\_\_

22. Describe the outcome when breaking after landing with tire pressure below the minimum tire pressure \_\_\_\_\_

23. How should the flaps be stored when parked on the ramp? \_\_\_\_\_

24. Describe the function and impact of missing gap seals? \_\_\_\_\_

25. What information can be gathered from the CGR-30P? \_\_\_\_\_

26. How does the CGR-30P interface with the GTN650? \_\_\_\_\_

27. What is the maximum fuel quantity?\_\_\_\_\_, When the plane is parked what is the indicated fuel quantity versus the actual quantity? \_\_\_\_\_ Describe the reason for the variance?

28. What is the acceptable angle of the main gear valve stem for take off?

29 Describe the pre-heat process for the aircraft?

30. Describe the night procedures unique to this aircraft?

31. List three indicators of carb ice?