

Monticello Flying Club Written Test for Check-out in N3275F for: _____

General Information:

1. What type of engine is on N3275F _____
2. What instruments are driven by the following systems? Elec: _____
Vac: _____ Pitot/Static: _____
3. How do you activate the alternate air in the N3275F? _____
4. How do you activate the secondary vacuum in the Mooney? _____
5. What type of fuel does N3275F use? _____
6. What is the maximum usable fuel capacity in each tank? _____ gal per tank
7. Why is this different than a factory Mooney? _____
8. What RPM/Manifold should be used in summer initial climb? _____
9. What RPM/Manifold should be used in cruise? _____
10. What RPM/Manifold combination should be avoided and why? _____

11. What does GUMPS stand for? _____

12. Why do you not need to worry about carb ice? _____
13. How does the power boost work and when should it not be used?

14. What prevents gear retraction on the ground? _____
15. How can you confirm the gear is down? Locked? _____

Performance

1. What is the payload (full fuel) of N3275F in standard conditions? _____ lbs
2. How much flaps are used on a normal takeoff? _____ degrees
3. How and when do you open the cowl flap? _____
4. What are the following speeds for a M20F:
Vr: _____ Best Glide: _____

Vx: _____ Normal Approach Speed at 50': _____
Vy: _____ Stall Speed Clean: _____
Vfe: _____ Stall Speed full flaps: _____
Va: _____ Optimum Cruise at 2,500ft: _____
Vge: _____ Optimum Cruise at 7,500ft: _____

5. What is the normal/maximum continuous cylinder head temperature? _____
6. When are you most likely to exceed this and what can you do to reduce it? _____

7. When should you lean the mixture? _____
8. What is the service ceiling for an M20F? _____ ft
9. At what altitudes can hypoxia affect your ability to fly? _____

10. What are the rules for source of supplemental oxygen? _____
11. What are the Club rules for high altitude flying? _____

12. What is the worst condition (5,000'ASL) rate of climb for a M20F? _____ FPM
13. Approx. how many NM will it take to get to 4,000ft AGL at this rate? _____ NM
14. What is the worst condition take-off roll to clear a 50ft obstacle in an M20F? _____ ft
15. What is the worst condition landing distance over a 50ft obstacle in an M20F? _____ ft
16. What is the approx. worst condition duration on full tanks & 75%, leaned cruise? _____ hours
w/30min res.
17. Why is it important to memorize the worst case numbers? _____

18. Where can you find quick guides/full manuals for the various aircraft equipment?

I certify that this member has passed the written test for this aircraft:

CFI Name

CFI Number