

Define and list the following speeds for your aircraft:

Vs-

Vso-

Vx-

Vy-

Va-

Vfe-

Vno-

Vne

Max Flap Extension-

Max gear operation-

Max gear retraction-

Max gear extended-

Max X-Wind-

1. What action should be taken with prop overspeed?
2. Describe the procedure for emergency gear extension.
3. What is the airplane's best glide speed? Does it change? When is it used?
4. State the procedure to respond to an in-flight engine failure.
5. List the procedure to respond to an engine fire on the ground while starting.

6. What is the procedure for spin recovery?
  
7. What is the maximum gross weight of the airplane.
  
8. What are the limit load factors with the flaps up and down?
  
9. What is the maximum rpm of your airplane's engine?
  
10. Generally, describe the engine in your airplane.
  
11. What is the oil capacity in your airplane? What is the minimum?
  
12. Why is it necessary to drain fuel out of the sumps after refueling and before the first flight of the day?
  
13. What are wing-tip vortices (wake turbulence)? With which aircraft are they greatest? Describe the proper avoidance.
  
14. During a mag check, what is the maximum allowable rpm drop and differential?

15. What is the fuel capacity of the aircraft? How much is usable fuel?
  
16. What is the authority and responsibility of the pilot in command?
  
17. What grade(s) of aviation fuel is/are available for use? What color is each?
  
18. List the documents that must be aboard the aircraft at all times.
  
19. What is the minimum reserve fuel required for day VFR/IFR operations?
  
20. List the procedures to be followed for cold/hot engine start.
  
21. Prior to take off what position should the fuel switch on? Why?
  
22. When do/should we lean the mixture?

23. What is normal approach speed? Short field?

24. What is the voltage of the battery and electrical system?

25. List the anti-ice and deice systems and when to use them.