

**CESSNA SKYHAWK C-172**  
**QUESTIONNAIRE**  
Critiqued to 100%

Pilot Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Aircraft dimensions:

a. Wingspan: \_\_\_\_\_

b. Length: \_\_\_\_\_

c. Propeller ground clearance: \_\_\_\_\_

2. Fuel:

a. Minimum octane fuel grade is: \_\_\_\_\_

b. Color is \_\_\_\_\_ or \_\_\_\_\_

3. Maneuvering speed ( $V_a$ ) Increases/Decreases as the flight progresses (circle one).

4. When are intentional spins permitted?

5. Maneuvers approved in the utility category:

6. Flight into known icing conditions is \_\_\_\_\_

7. Takeoffs and landings should be made with the fuel selector in the \_\_\_\_\_ position.

8. What is the procedure for landing without engine power?

9. The over voltage light illuminates. What are your actions?

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10. The engine begins to run rough in normal cruise flight. What are the probably causes?

\_\_\_\_\_

\_\_\_\_\_

14. Approach speeds:

a. Flaps up: \_\_\_\_\_

b. Flaps down: \_\_\_\_\_

15. Normally slips ARE/ARE NOT permitted with flaps fully extended. Slips with up to \_\_\_\_\_° flaps are permitted.

17. Power off full flap stall speed ( $V_{so}$ ) at maximum gross weight with a forward center of gravity (CG) level flight is: \_\_\_\_\_

18. Complete the following loading problem for a representative C-172N

	<b>Weight</b>	<b>Arm</b>	<b>Moment</b>
Licensed Empty Weight	1434.5		55693.5
Pilot and Front Passenger	340		
Aft Seat Passenger	150		
Fuel – 40 Gallons			
Baggage (Area 1)	50		
Baggage (Area 2)	0		
<b>Total</b>			

- a. Aircraft IS/IS NOT within maximum gross weight limit.
- b. NORMAL/UTILITY category
- c. Aircraft IS/IS NOT in CG limits

19. The pilot checklist calls for checking \_\_\_\_\_ fuel sump drains. They are located:

\_\_\_\_\_

\_\_\_\_\_

21. Maximum total allowable loading in baggag areas 1 and 2 is:

\_\_\_\_\_

22. Oil capacity for the engine:

a. Maximum capacity: \_\_\_\_\_

b. Minimum safe quantity: \_\_\_\_\_

23. The stall warning horn sounds \_\_\_\_\_  
knots/mpg before stall.

V Speeds:

M-Model

N-Model

_____	_____	V <sub>so</sub> -Landing configuration stall
_____	_____	V <sub>s1</sub> -Specified (cruise) configuration stall
_____	_____	V <sub>fe</sub> -Maximum full flap speed
_____	_____	V <sub>a</sub> -Maneuvering speed at max gross weight
_____	_____	V <sub>y</sub> -Best rate of climb speed
_____	_____	V <sub>x</sub> -Best angle of climb speed
_____	_____	Landing Approach Speed
_____	_____	Normal approach – flaps up
_____	_____	Short field approach – full flaps
_____	_____	Best Glide Speed (no flaps)
_____	_____	Maximum Window Open speed
_____	_____	Maximum Demonstrated Crosswind
_____	_____	Fuel Capacity
_____	_____	Usable Fuel