



CESSNA SKYHAWK MODEL 172N

CHECKOUT EXAM

(All aircraft documents may be used for this exam.)

NAME _____ DATE _____

CHECKOUT INSTRUCTOR(S) _____

AIRCRAFT USED FOR THE EXAM

N6506D

ENGINE:

1. What is the engine model number, type, and rated horsepower? _____
2. How long can you run the engine at full power? _____
3. What is the oil capacity? _____ For extended flights? _____ Normal level? _____ Add oil at 5.5 Qt
4. How do you determine the engine oil type? _____
5. Why is it important to lean the mixture?
 - On taxi _____
 - In flight _____
6. Mixture should be _____ during take-off, climb and maximum cruise power.
7. Between 30F- 90F what is the desired oil Temp.. _____ F Maximum _____ F
8. The maximum oil pressure for startup is _____ PSI and _____ PSI for normal operation.
9. The minimum oil pressure for Idle is _____ PSI and _____ PSI for normal operation.
10. CHT's should be maintained below _____ F for high performance cruise and _____ F for economy cruise.
11. What is the maximum RPM drop on the left or Right Mag? _____
12. What is the maximum drop between the Mags? _____
13. What are the proper procedures to follow when the engine runs rough while checking the mags on runup? _____

FUEL SYSTEM:

14. What is the minimum fuel grade (octane) and color? _____
15. How many fuel tanks are there? _____
16. What is the total fuel capacity? _____ Total *usable* fuel capacity? _____
17. Where are the fuel drains located? _____

18. Where are the fuel vent(s) located? _____
19. What would happen in the event of fuel vent blockage? _____
20. What position should the fuel selector valve be placed in for takeoff, climb, and landing? _____

ELECTRICAL SYSTEM:

21. What voltage is the aircraft? _____
22. What is the ammeter telling you? _____

EMERGENCY PROCEDURES:

23. How do you detect carburetor ice? _____
24. In the event of carburetor ice, what do you do? _____
25. What are the *general* procedures for an engine failure in flight?

26. Find the approximate glide distance. Cruise altitude 7,500 ft. MSL. Terrain altitude 1,000 ft. MSL. _____ NM

27. How do you recover from a spin?
28. What do the following transponder codes mean?

7500 _____ 7600 _____ 7700 _____

29. Emergency Radio Frequency?

Aircraft Specifics: (Reference Checklist, or flight manuals @ gjc.aero/FlightCircle.com)

30. To ensure the uAvionix tailBeaconX ADSB out is functioning the _____ switch must be in the ON position?

AIRSPEEDS: (Express in Knots IAS or CAS)

31. Vr_____ Vx_____ Vy_____ Cruise Climb_____ Vno_____ Vne_____ Vs_____ Vso_____

Vfe_____ Va @ 2300 lbs._____ Max demonstrate crosswind_____

32. What is the recommended best glide speed @ 2300 lbs. with flaps up?_____

33. What is the recommended *normal* final approach speed with flaps down?_____ Flaps up?_____

34. What is the recommended *short-field* final approach speed and _____ configuration? _____

WEIGHT AND BALANCE: (Aircraft used for exam / checkout purposes N6506D, Normal Category.)

35. Maximum *takeoff / landing* weight?_____ Max weight in baggage compartment?_____

36. Work the following weight and balance problem. (Use *current weight for aircraft used for checkout.*)

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Licensed empty weight	_____	_____	_____
Pilot and front passenger	350	_____	_____
Rear seat passenger(s)	175	_____	_____
Fuel (40 Gal. usable @ 6 Lbs./gal.)	240	_____	_____
Baggage	50	_____	_____

TOTALS: _____

CG LOCATION _____ Are you within limits? _____

PERFORMANCE:

37. Cruise condition: 2300 lbs., recommended lean mixture, 60% power, 6,000 ft., standard temperature.

Find the following: RPM, TAS KNOTS, GPH

38. Find the approximate *range* and *endurance* @ 2300 lbs., zero wind, 40 gallons usable fuel, for the following:

7,500 ft., std. temp., 65% power, recommended lean mixture, 45 min reserve. Range NM, Endurance

39. Find the *landing ground roll & landing distance* @ 2300 lbs., full flaps, zero wind, for the following:

a. 5,000 ft., 20 degrees C. Ground roll Total to clear 50 foot obstacle

40. Describe the "Go-Around" procedure.

Ground Portion: Written Corrected and approved by _____, Date _____

Flight Portion: I certify that I have found _____ competent in the Cessna 172N

Print Name _____ Signature _____ Flight Circle Updated _____