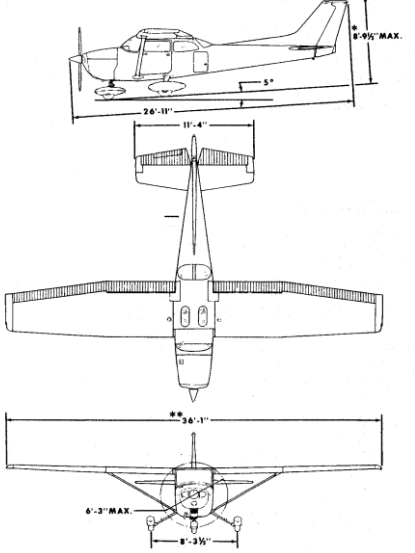

CESSNA SKYHAWK MODEL 172M/N

CHECKOUT EXAM

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

NAME_____DATE_____

CHECKOUT INSTRUCTOR(s)_____

AIRCRAFT USED FOR THE EXAM **N6843H / N6506D**

ENGINE:

1. What is the engine model number, type, and rated horsepower?_____
2. What is the oil capacity?_____For extended flights?_____Normal level?_____Add oil at 5.5 Qt
3. How do you determine the engine oil type? _____
4. Why is it important to lean the mixture?
    - On taxi_____
    - In flight_____
5. Mixture should be _____during take-off, climb and maximum cruise power.
6. Between 30F- 90F what is the desired oil Temp..._____F Maximum_____F
7. The maximum oil pressure for startup is_____PSI and _____PSI for normal operation.
8. The minimum oil pressure for Idle is _____PSI and _____PSI for normal operation.
9. CHT's should be maintained below_____F for high performance cruise and_____F for economy cruise.
10. What is the maximum RPM drop on the left or Right Mag?_____
11. What is the maximum drop between the Mags?_____
12. What are the proper procedures to follow when the engine runs rough while checking the mags on runup?

    _____

    _____

FUEL SYSTEM:

13. What is the minimum fuel grade (octane) and color?_____
14. How many fuel tanks are there?_____
15. What is the total *usable* fuel capacity? N6843H_____N6506D_____
16. Where are the fuel drains located?_____

17. Where are the fuel vent(s) located?_____

18. What would happen in the event of fuel vent blockage?_____

19. What position should the fuel selector valve be placed in for takeoff, climb, and landing?_____

ELECTRICAL SYSTEM:

20. What voltage of N6843H?_____

21. What is the voltage of N6506D?_____

22. What is the ammeter telling you?_____

What documents are required to be in the aircraft ?

Circle all that apply:

POH

Weight & Balance

Garmin 430 Flight Manual Supplement

GTX -345 Transponder Flight Manual Supplement

G3X Flight Manual Supplement

Engine Flight Manual Supplement

GI275 / G5 Flight Manual Supplement

GFC 500 Flight Manual Supplement

You are correct,
Its all of them!

Please do not
remove from the
aircraft,.

AIRSPEEDS: (Express in MPH For N6843H and Knots for N6506D)

23. Vr___/___ Vx___/___ Vy___/____ Cruise Climb____/___ Vno___/____ Vne___/____ Vs____/___ Vso__/___

Vfe___/___ Va @ 2300 lbs.___/____ Max demonstrate crosswind_____/_____

24. What is the recommended best glide speed @ 2300 lbs. with flaps up? _____MPH_____KTS

25. What is the recommended *normal* final approach speed with flaps down?_____MPH_____KTS

WEIGHT AND BALANCE: *(Aircraft used for exam / checkout purposes N6843H, Normal Category.)*

26. Maximum *takeoff / landing* weight?_____Max weight in baggage compartment?_____

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

ITEM	WEIGHT	ARM	MOMENT
Licensed empty weight	_____	_____	_____
Oil (8 quarts)	15	----	-200
Pilot and front passenger	350	_____	_____
Rear seat passenger(s)	175	_____	_____
Fuel (38 Gal. usable @ 6 Lbs./gal.)	228	_____	_____
Baggage	50	_____	_____
TOTALS:	_____		_____

CG LOCATION_____Are you within limits?_____

PERFORMANCE:

28. Find the *ground run and takeoff distance* @ 2300 lbs., flaps up, zero wind, for the following conditions:

a. 2,500 ft., 75 degrees F. Ground run_____Total to clear 50 foot obstacle_____

What is the *average rate of climb* from 3,000 ft. to 6,000 ft. @ 2300 lbs, std. temp., no wind?_____FPM

Elapsed time?_____Fuel used?_____Approx. Dist.?_____SM *(Use IAS as TAS in climb.)*

22. Cruise condition: 2300 lbs., recommended lean mixture, 60% power, 5,000 ft., standard temperature.

Find the following: _____RPM, TAS_____MPH, _____GPH

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

7,500 ft., std. temp., 63% power, recommended lean mixture, 30 min reserve. Range___SM, Endurance____

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

a. 5,000 ft., 41 degrees F. Ground roll_____Total to clear 50 foot obstacle _____

25. Describe the "Go-Around" procedure._____

EMERGENCY PROCEDURES:

26. How do you detect carburetor ice?_____

27. In the event of carburetor ice, what do you do?_____

28. What are the *general* procedures for an engine failure in flight?_____

_____

29. Find the approximate glide distance. Cruise altitude 7,500 ft. MSL. Terrain altitude 1,000 ft. MSL.____SM

30. How do you recover from a spin?_____

31. What do the following transponder codes mean?

- 7500_____7600_____7700_____

32. Emergency Radio Frequency_____

33. How can you get the Emergency Frequency on the 430 or GNC 255 with one touch?

_____

Aircraft Specifics: (Reference Checkist, or flight manuals @ gjc.aero)

34. After turning on the Master Switch, what must you wait for before starting the engine?_____

35. If you lose power, what happens to the G3X and other glass instruments?_____

36. If the PFD fails, the G5 battery will last _____ hours.

37. If the PFD fails, the GI275 will last how long? (section 3.1.7)

- Green battery indicated_____
- Yellow battery Indicated_____
- Red battery indicated_____

38. What does INT on the G3X HSI indicate? (Pg.95)_____

39. What does a yellow "REV" on the HSI indicate? (Pg. 96)_____

40. If the Guardian CO detector ALERT annunciation activates in flight, what should you do?

- _____
- _____
- _____

Flight Checks –look up but must be demonstrated in flight

41. How do you change the G5 from an ADI (Attitude Display Indicator) to an HSI?_____

42. How do you change the heading bug on the PFD? _____

43. How do you select or change a Nav/Com Frequency? _____

44. How do you adjust the altimeter setting?_____

45. How do you get to and use the lean assist?_____

46. How can you quickly reference aircraft glide range using the G3X MFD?_____

47. How can you display airport information, including weather, frequencies, runway information, and charts using the G3X MFD?_____

48. How can you see ADS-B traffic alerts using G3X MFD?_____Garmin 430?_____

AUTOPILOT N6506D Refer to Flight Manual Supplement on GJC.AERO

49. What does green text indicate in the autopilot status box?_____White text?_____

50. What are the default modes when the autopilot is engauged?_____

51. What is ESP and when will it engage? _____

_____

52. What will happen if ESP is active for more than 10 seconds?_____

53. How can you disable ESP for maneuvers?_____

54. At what altitude can the autopilot be engaged?_____

55. At what altitude must the autopilot be disengaged during approaches?_____

56. At what altitude must the autopilot be disengaged during all other operations?_____

57. What is the maximum fuel imbalance with the autopilot engaged?_____

Emergency Procedures

58. What are the four ways to manually disconnect the autopilot?
    1._____
    2._____
    3._____
    4._____

59. What is the procedure for a pitch trim runaway?

_____

Ground Portion: Written Corrected and approved by _____, Date _____
Flight Portion: I certify that I have found_____competent in the Cessna 172M _

Print Name_____Signature_____Flight Circle Updated