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PRE SOLO TEST C-172-KCHD

STUDENT _____

GRADE _____

1: What is the ground frequency at Chd? _____

2: What is the tower frequency at Chd? _____

3: What is the ATIS frequency at Chd? _____

4: Who would you contact if you cannot reach tower? _____

5: How many quarts of oil do you need in your aircraft? _____

6 :What is the procedure for landing at an uncontrolled airport?

7: What is a side slip, what do we use it for, and what are the dangers of using a side slip?

8: What will happen if you stall an aircraft in an uncoordinated turn? _____

9: What should you do if you are cleared to land, and there is another aircraft on the runway?

10: What forces do the rudder counteract? Explain each.

A: _____

B: _____

C: _____

D: _____

12: What is the procedure for landing at a controlled airport if you lose radio communication?

13: What makes an aircraft turn? _____

14: What is the purpose of the oil system? _____

a) To lubricate the internal components of the engine.

b) To help cool the engine.

c) It aids the combustion process

d) A and C

e) A and B

f) A,B,and C

15: You will be departing runway 22 at Chandler Airport and you going South West, How should you state your departure request?: _____

16: What is required to operate within 30 Nautical Miles of a Primary Class B airport? _____

- a) Radio contact
- b) Permission to operate in that area
- c) VOR
- d) Transponder with an altitude encoder

17: What does a flashing red light from the Control Tower in the air mean: _____

18: What does a steady green light From the Control Tower in the air mean?: _____

19 :What does a steady white light From the Control Tower mean in the air? _____

20: You just take off and you loose your engine about 700ft above the ground. What is the most dangerous thing you could do? _____

REMEMBER THIS IS A JUDGMENT CALL DEPENDING ON THE SITUATION!!!!!!

21: You are returning to Chandler Airport from the South West and make your initial radio call. Tower tells you to "report Midfield downwind on a 45 right traffic for runway 22 right". What altitude should you be when you enter the traffic pattern? Use the Info Below. Answer: _____

CHANDLER
CHANDLER MUNI (CHD)(KCHD) 3 SE UTC-7 N33°16.15' W111°48.67' PHOENIX
 1243 B TPA—See Remarks NOTAM FILE CHD L-58, A
 RWY 04R-22L: H4870X75 (ASPH) S-30 MIRL IAP AD
 RWY 04R: REIL PAPI(P4L)—GA 3.0° TCH 39'. Rgt tfo.
 RWY 22L: REIL PAPI(P4L)—GA 3.0° TCH 45'.
 RWY 04L-22R: H4401X75 (ASPH) S-30 MIRL
 RWY 04L: PAPI(P4L)—GA 3.5° TCH 40'. Pole.
 RWY 22R: PAPI(P4L)—GA 3.0° TCH 40'. Rgt tfo.
SERVICE: S4 FUEL 100LL, JET A 0X3, 4 LGT When twr clsd ACTIVATE
 MIRL Rwy 04R-22L and Rwy 04L-22R, PAPI Rwy 04R, Rwy 22L,
 Rwy 04L and Rwy 22R, REIL Rwy 04R and Rwy 22L—126.1.
AIRPORT REMARKS: Attended Mon-Fri 1200-0000Z, Sat-Sun
 1200-2230Z. Large birds soar all year. Wildlife occasionally crossing
 rwys and twys. Antenna 85' AGL located 1/4 mile north of Rwy 22R.
 P-line mono-poles running north to south approximately 1.5 miles west
 of arpt, height 135' AGL. Ltgd. No obstruction lighting on structures.
 P-line mono-poles running east to west approximately 1 mile south of
 arpt, height 135' AGL. No obstruction lgtg on structures. Twy A not
 visible to tower between Twy D and Twy F. Extensive helo ops on Twy C.
 Charlie pattern for helo trng. Transient helicopter parking on north side
 by Twy N avbl for parking or passenger pick-up. Aerobatic practice
 areas approximately 5 miles SE of arpt from surface to 3500' AGL.
 Avoid overflight of high school 2 NM southwest of arpt. Calm wind conditions use Rwy 04L or Rwy 04R. Significant fixed
 and rotary wing training activity on arpt. TPA—2300(1057)—Fixed wing—2300 ft MSL. Rotorwing—1900 ft MSL.
AIRPORT MANAGER: 480-782-3540
WEATHER DATA SOURCES: AWOS-3PT 128.325 (480) 814-9952.
COMMUNICATIONS: CTAF 126.1 ATIS 128.325 UNICOM 122.95
 PHOENIX APP/DEP CON 123.7
 TOWER 133.1 Arr S&E, Dep Rwy 04R-22L 126.1 Arr N&W, Dep Rwy 04L-22R. (1300-0400Z)
 GND CON 124.4
CLEARANCE DELIVERY PHONE: When ATCT clsd, for CD oto Phoenix approach at 602-306-2565.
AIRSPACE: CLASS D svs 1300-0400Z; other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE IWA.
WILLIE (L) VORTACW 113.3 IWA Chan 80 N33°18.19' W111°39.09' 243° 8.3 NM to fld. 1366/13E.
 VOR unusable:
 300°-320° byd 25 NM blo 7,500'
 320°-300° byd 20 NM blo 7,500'
 TACAN AZIMUTH unusable:
 020°-055° byd 30 NM blo 12,000'
 150°-195° byd 20 NM blo 7,500'
 DME unusable:
 020°-055° byd 30 NM blo 12,000'
 150°-195° byd 20 NM blo 7,500'
NDB (MHW) 407 CHD N33°15.99' W111°48.47' at fld. 1238/12E. NOTAM FILE CHD.
 NDB unusable:
 020°-070° byd 15 NM
 HELIPAD H1: H100X100 (CONC)
 HELIPORT REMARKS: PVASI to H1 is aligned at 229°.

- a) 2,200 ft
- b) 3,000 ft
- c) 800-1000 above the ground
- d) 2,700 ft
- e) 2,500 ft

22: How much fuel does the aircraft you are going to solo hold? _____

23: How much oil does the aircraft you are going to solo hold? _____

24: What is the minimum oil allowed in the engine of that aircraft? _____

25: When you are ready to take off and contact tower, what are the three responses that the tower could give you and what do they mean.

A: _____

B: _____

C: _____

26: During your runup, you notice a 250 RPM drop on the left magneto. What should you do?

A : Nothing since this difference is within limits.

B: Return for maintenance.

C: Bring the power in full for about one minute and lean the mixture.

D: Takeoff.

27: After your runup, when do you change the radio frequency to tower frequency? _____

28: What is the elevation of the class B airspace before you reach Maricopa mountain ?

A: 4000 FT. AGL

B: 6000 FT. MSL

C: 6000 FT. AGL

D: 4000 FT. MSL

29: What should you do if you loose the radios and you are going to land at Chandler airport? _____

30: What are the two most important things you should do if your engine fails? _____

31:What preflight planning is required by the FAR'S? _____

32:What are the VFR fuel requirements? _____

33: Calculate a weight and balance for the following weights.

Pilot/ 200 lbs.

Instructor / 200 lbs.

Rear Passenger / 145 lbs

Rear Passenger 120 Lbs

Fuel / 35 Gallons

Baggage / 30 lbs

WEIGHT _____

MOMENT _____

CATEGORY _____

34: When you solo, con you fly in Class B
airspace? _____

35: What is the responsibility of the pilot in command:

A: _____

B: _____

C: _____

36: When you solo, what documents do you need with you to solo legally?

A: _____

B: _____

C: _____

37: Can you carry passengers when you solo? _____

38:Can you land at other airports when you solo? _____

39:When will the stall / spin accident most likely occur and why? _____

40: What are the basic VFR weather minimums to operate an aircraft in class D airspace?

A: _____

B: _____

C: _____

41: You are at the hold short line and you want to depart to the Fountain Hills practice area, how should you state your departure request? _____

42: When you are returning to Chandler Airport from the South practice area, when should you contact the tower and what should you say? _____

43: When you are practicing stalls/ what altitude should you be at? _____

44: Before we practice any maneuvers, we perform clearing turns. Why do we turn to the left first? _____

45: How should you avoid wake turbulence? _____

46: How long is your student pilot certificate good for? _____

47: When you preflight the aircraft, what are the documents required for the aircraft to be airworthy?

A: _____

B: _____

C: _____

D: _____

E: _____

48: Before you take off and you are lined up on the runway, what check should you perform before you take off?
explain each part

A: _____

B: _____

C: _____

D: _____

49: Once you land, when should you contact ground frequency? _____

50: Whenever you are on the ground taxiing , what should you be looking at to find your location on the airport ?
