

## **PRIVATE PILOT STAGE ONE EXAM**

## AIRMAN INFORMATION

NAME

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DATE

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TEST ADMINISTERED BY

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RECOMMENDING INSTRUCTOR

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RESULTS

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## SCENERIO

You will be operating your first solo flight in N1640E at KMYF.

### Weather Information

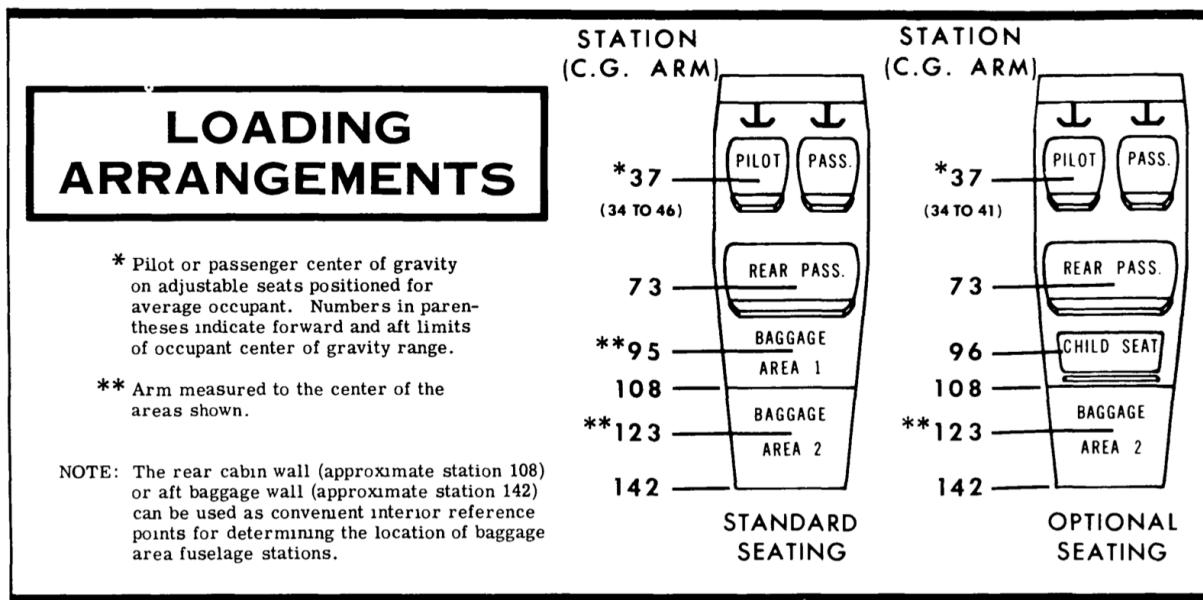
KMYF 042353Z 24007KT 10SM CLR 19/M03 A3025 RMK AO2 SLP242 T01941028 10211  
20172 56012

KSAN 042331Z 0500/0606 29008KT P6SM SKC  
FM050200 VRB04KT P6SM SKC  
FM052000 30008KT P6SM SKC  
FM060200 VRB04KT P6SM SKC

!MYF 02/001 MYF RWY 28R CLOSED

### Weight and Balance Information

Pilot weight 195 lbs  
No passengers  
Full fuel (arm 48 inches)  
20 lbs in the forward cargo



PACIFIC COAST AVIONICS 22783 AIRPORT RD. N.E. AURORA, OR 97002										FAA REPAIR STATION #OPXR455L																																																																																																																																																																																																																																																					
Work Order #: Registration #: Serial #: Make: Model: Date of last weight and balance: Aircraft Time:			Owner (s): BANAN ABDOLREZA			Address: 4682 IOWA ST STE 207 SAN DIEGO, CALIFORNIA 92116-3319 SAN DIEGO COUNTY UNITED STATES																																																																																																																																																																																																																																																									
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## TAKEOFF DISTANCE 2100 LBS AND 1900 LBS

SHORT FIELD

REFER TO SHEET 1 FOR APPROPRIATE CONDITIONS AND NOTES.

WEIGHT LBS	TAKEOFF SPEED KIAS		PRESS ALT FT	0°C		10°C		20°C		30°C		40°C	
	LIFT OFF	AT 50 FT		GRND ROLL	TOTAL TO CLEAR 50 FT OBS								
2100	50	56	S.L.	585	1070	630	1140	680	1220	725	1300	780	1390
			1000	640	1165	690	1245	740	1330	795	1420	850	1520
			2000	700	1270	755	1360	810	1455	870	1555	935	1665
			3000	770	1390	830	1490	890	1595	955	1710	1025	1830
			4000	845	1525	910	1640	980	1755	1050	1880	1130	2015
			5000	930	1680	1000	1805	1075	1935	1155	2075	1240	2230
			6000	1025	1850	1100	1990	1185	2140	1275	2300	1370	2475
			7000	1130	2050	1215	2210	1310	2380	1410	2560	1515	2755
1900	47	54	S.L.	470	865	505	920	540	985	580	1045	620	1115
			1000	515	940	550	1005	590	1070	635	1140	680	1215
			2000	560	1025	605	1095	645	1170	695	1245	745	1330
			3000	615	1115	660	1195	710	1275	760	1365	815	1455
			4000	670	1220	725	1305	780	1400	835	1495	895	1595
			5000	740	1340	795	1435	855	1535	920	1640	985	1755
			6000	810	1470	875	1575	940	1690	1010	1810	1085	1940
			7000	895	1620	965	1740	1035	1865	1115	2000	1195	2145
			8000	985	1790	1065	1925	1145	2065	1230	2220	1320	2385

CESSNA  
MODEL 172NSECTION 5  
PERFORMANCE

Figure 5-4. Takeoff Distance (Sheet 2 of 2)

5-12

SECTION 5  
PERFORMANCETAKEOFF DISTANCE  
MAXIMUM WEIGHT 2300 LBS

## SHORT FIELD

CONDITIONS:  
 Flaps Up  
 Full Throttle Prior to Brake Release  
 Paved, Level, Dry Runway  
 Zero Wind

## NOTES:

1. Short field technique as specified in Section 4.
2. Prior to takeoff from fields above 3000 feet elevation, the mixture should be leaned to give maximum RPM in a full throttle, static runup.
3. Decrease distances 10% for each 9 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2 knots.
4. For operation on a dry, grass runway, increase distances by 15% of the "ground roll" figure.

WEIGHT LBS	TAKEOFF SPEED KIAS		PRESS ALT FT	0°C		10°C		20°C		30°C		40°C	
	LIFT OFF	AT 50 FT		GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS	GRND ROLL	TOTAL TO CLEAR 50 FT OBS
	2300	52	59	S.L. 1000 2000 3000 4000 5000 6000 7000 8000	720 790 865 950 1045 1150 1265 1400 1550	1300 1420 1555 1710 1880 2075 2305 2565 2870	775 850 930 1025 1125 1240 1365 1510 1675	1390 1525 1670 1835 2025 2240 2485 2770 3110	835 915 1000 1100 1210 1335 1475 1630 1805	1490 1630 1790 1970 2175 2410 2680 3000 3375	895 980 1075 1185 1300 1435 1585 1755 1945	1590 1745 1915 2115 2335 2595 2895 3245 3670	960 1050 1155 1270 1400 1540 1705 1890 2095

Figure 5-4. Takeoff Distance (Sheet 1 of 2)

CESSNA  
MODEL 172NCESSNA  
MODEL 172N

CONDITIONS:  
 Flaps 40°  
 Power Off  
 Maximum Braking  
 Paved, Level, Dry Runway  
 Zero Wind

## NOTES:

1. Short field technique as specified in Section 4.
2. Decrease distances 10% for each 9 knots headwind. For operation with tailwinds up to 10 knots, increase distances by 10% for each 2 knots.
3. For operation on a dry, grass runway, increase distances by 45% of the "ground roll" figure.

WEIGHT LBS	SPEED AT 50 FT KIAS	PRESS ALT FT	0°C		10°C		20°C		30°C		40°C	
			GRND ROLL	TOTAL TO CLEAR 50 FT OBS								
	2300	60	S.L. 1000 2000 3000 4000 5000 6000 7000 8000	495 510 530 550 570 590 615 640 665	1205 1235 1265 1300 1335 1370 1415 1455 1500	510 530 550 570 590 615 640 660 690	1235 1265 1300 1335 1370 1415 1455 1500 1540	530 550 570 590 615 635 660 685 710	1265 1300 1335 1370 1410 1450 1490 1535 1580	545 565 590 610 635 655 685 710 735	1295 1330 1370 1405 1445 1485 1535 1575 1620	565 585 610 630 655 680 705 730 760

Figure 5-10. Landing Distance

SECTION 5  
PERFORMANCE

5-21/(5-22 blank)

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## CALIFORNIA

**MONTGOMERY-GIBBS EXEC** (MYF)(KMYF) 6 N UTC-8(-7DT) N32°48.94' W117°08.37' **LOS ANGELES**  
 427 B TPA—See Remarks NOTAM FILE MYF L-4H  
**RWY 10L-28R:** H4598X150 (ASPH-RFSC) S-12 PCN 48 F/C/Y/T IAP, AD  
 MIRL 0.3% up E

**RWY 10L:** PAPI(P4L)—GA 3.4° TCH 45'.

**RWY 28R:** MALSR. PAPI(P4R)—GA 3.0° TCH 41'. Thld dispclcd 1199'. Rgt tfc.

**RWY 10R-28L:** H3401X60 (ASPH-RFSC) S-12 PCN 44 F/C/Y/T

**RWY 10R:** Rgt tfc.

**RWY 28L:** REIL.

**RWY 05-23:** H3400X75 (ASPH-TRTD-RFSC) S-12 PCN 37 F/B/Y/T

0.3% up NE

**RWY 05:** Thld dispclcd 390'.

**SERVICE:** S4 FUEL 100LL, JET A, A+ OX 1, 4 LGT When twr clsd ACTIVATE PAPI Rwy 10L and 28R, MALSR Rwy 28R—CTAF, MIRL Rwy 10L-28R opr continuously.

**NOISE:** For noise abatement regulations ctc the noise abatement office at 858-573-1436. Acft with high noise levels are requested to use Rwy 10L-28R. Extreme noise sensitive areas west and south of apt. Noise monitoring in effect. Maximum noise limit 0730-1430Z‡ 70 DB over residential areas. Maximum noise limit 1430-0730Z‡ 88 DB.

**AIRPORT REMARKS:** Attended Mon-Sat 1500-0200Z‡. Be alert heavy acft activity in the vicinity of Lake Murray and Mt Soledad. Pilots are urged to be vigilant for other acft in these areas and to ctc the twr early enough for timely tfc advisories if proceeding east bound advise twr of destination apt. Be alert to military jet acft invof apt and 4.7 NM NW of apt bearing 312° invof Mission Bay VORTAC. Be alert birds on and in the vicinity of apt. Coyote activity on rwys and twys. Practice low approaches are prohibited 0730-1430Z‡. Simulated engine failures are prohibited over residential areas. No jet touch and go opns. Dep use Rwy 10L when tower not opr and wind permitting. TPA—Rwy 10R-28L, 10L-28R and 05-23—multi-engine/turbo powered 2027(1600); Single eng 1427(1000). No acft over 20,000 lbs on Twy J rstd by FBO. Txl E non-std, acft with wingspan greater than 35.5 ft use caution. Twy K rstd to wingspan no greater than 58'. Ldg fees for ops by PART 135 certified acft.

**AIRPORT MANAGER:** (858) 573-1430

**WEATHER DATA SOURCES:** ASOS 126.9 (858) 576-4337.

**COMMUNICATIONS:** CTAF 119.2 ATIS 126.9 858-277-3075 UNICOM 122.95

(R) **SOCAL APP CON** 124.35

(R) **SOCAL DEP CON** 119.6

TOWER 119.2 (All rwys, except Rwy 28 btw 1800-0200Z‡) 125.7 (Rwy 28 btw 1800-0200Z‡) **GND CON** 118.225

**CLEARANCE DELIVERY PHONE:** For CD when ATCT clsd ctc SoCal Apch at 800-448-3724.

**AIRSPACE:** CLASS D svc 1400-0500Z‡; other times CLASS G.

**VOR TEST FACILITY (VOT)** 109.0

**RADIO AIDS TO NAVIGATION:** NOTAM FILE SAN.

**MISSION BAY (H) (H) VORTACW** 117.8 MZB Chan 125 N32°46.93' W117°13.53' 050° 4.8 NM to fld. 10/15E.

VOR portion unusable:

090°-100° byd 28 NM

100°-130° byd 17 NM

130°-190° byd 14 NM

190°-219° byd 20 NM

308°-350° byd 20 NM blo 8,000'

TACAN AZIMUTH unusable:

310°-350° byd 15 NM blo 6,000'

TACAN DME unusable:

310°-350° byd 20 NM blo 6,000'

TACAN AZIMUTH & DME unusable:

310°-350° byd 30 NM blo 10,000'

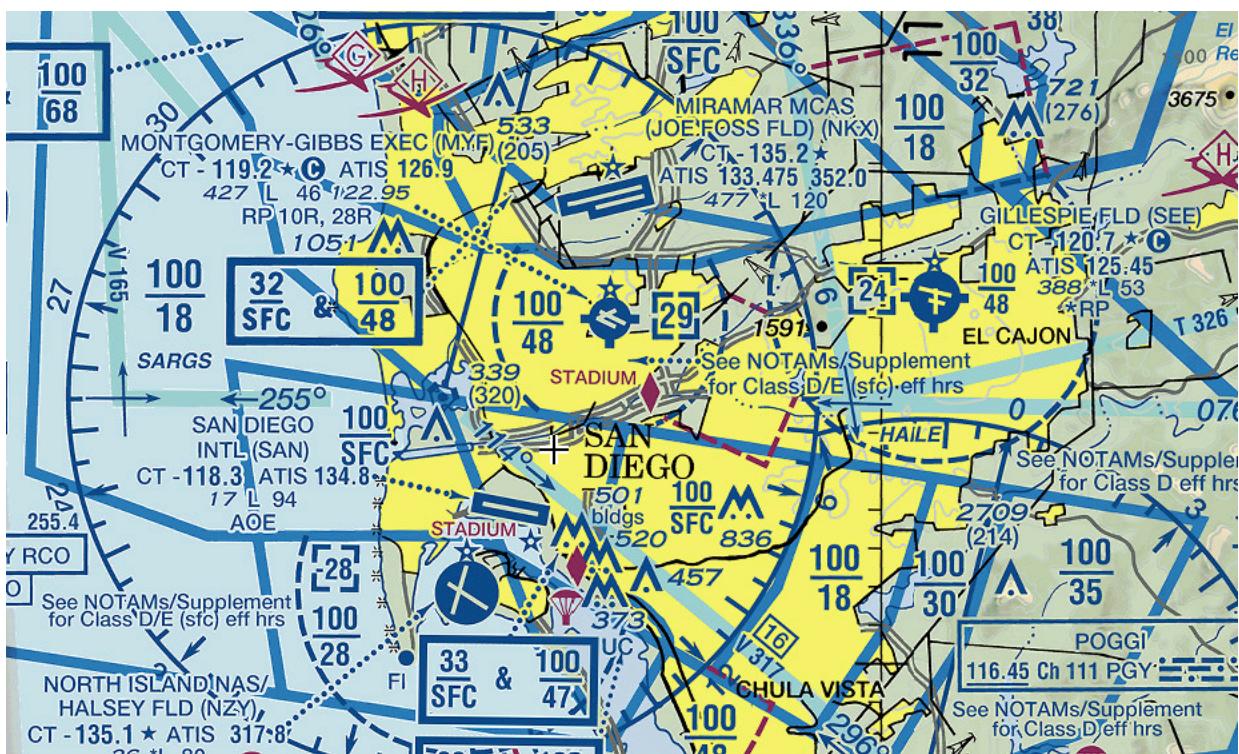
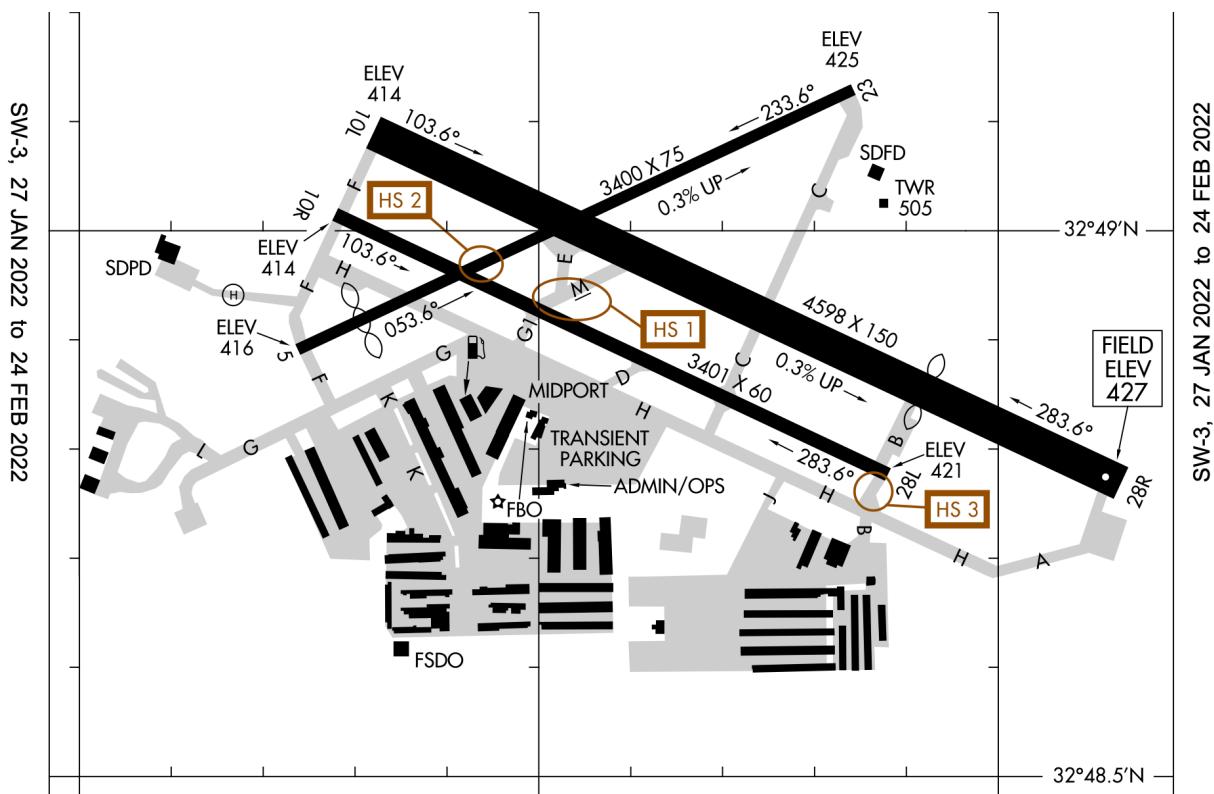
**ILS/DME** 111.95 I-MYF Chan 56(Y) Rwy 28R. Class IT. LOC/DME unmonitored when ATCT closed.

**COMM/NAV/WEATHER REMARKS:** Freq 125.7 also used for touch and go landings Rwy 10L-28R.

• •

**HELIPAD H1:** H48X48 (ASPH)





# REGULATIONS

1. What preflight action is required of a pilot prior to a flight? [91.103]
  - A. Know runway lengths at the airport of intend use and takeoff and landing distance
  - B. Become familiar with all available information
  - C. Both A and C
2. What is the definition of an aerobatic maneuver. [91.303]
  - A. 30° of pitch and 70° of bank
  - B. Inverted
  - C. Abrupt change in the aircrafts attitude not necessary for normal flight
3. What is the definition of careless or reckless operation. [91.13]
  - A. Aircraft operations that endanger life or property of another
  - B. Aircraft operations less than 500 feet AGL
  - C. Anything Karen records on her phone and sends to the FAA
4. What is the minimum amount of time after the consumption of any alcoholic beverage a pilot is required to wait? [91.17]
  - A. 6 hours
  - B. 8 hours
  - C. 10 hours
5. What are the basic VFR weather minimums?
  - A. 5 SM and 3,000 ft ceilings
  - B. 5 SM and 1,000 ft ceilings
  - C. 3 SM and 1,000 ft ceilings
6. What is the minimum visibility for a student pilot? [61.89]
  - A. 10 SM
  - B. 5 SM
  - C. 3 SM
7. What does a steady green light gun signal mean when approaching for landing? [4-3-13]
  - A. Return for landing
  - B. Cleared to land
  - C. Exercise extreme caution
8. What light gun signals should you expect if ATC wants you to continue giveaway to another aircraft landing? [4-3-13]
  - A. Alternating red and green
  - B. Flashing red
  - C. Steady red
9. What documents must you have in your possession to solo an aircraft as a student? [61.3]
  - A. Pilots License, Medical and Passport
  - B. Logbook
  - C. All of the above



10. Define the authority and responsibility of the pilot in command. [91.3]
  - A. Final and direct authority as to, the operation of that aircraft
  - B. Operate the aircraft safely in accordance with the FARs and ATC
  - C. Authority to operate the aircraft in any manner
11. When are you required to wear a safety belt? [91.105]
  - A. At all times while operating the aircraft
  - B. During takeoff and landing
  - C. During taxi, takeoff and landing
12. When are you permitted to deviate from an ATC instruction? [91.3]
  - A. Never
  - B. During and in-flight emergency requiring immediate action
  - C. Whenever the PIC needs to deviate
13. When an aircraft is approaching another head-on, each pilot should alter their course to the [91.113]
  - A. Left
  - B. Right
  - C. Neither
14. When is dropping objects from an airplane permitted? [91.15]
  - A. No pilot in command of a civil aircraft may allow any object to be dropped from that aircraft
  - B. When required for physiological needs
  - C. If reasonable precautions are taken to avoid injury to persons or property
15. The \_\_\_\_\_ of two aircraft on approach to the same runway has the right of way. [91.113]
  - A. Lower
  - B. Faster
  - C. Closer
16. What is the minimum safe altitude anywhere? [91.119]
  - A. An altitude allowing, if a power unit fails, an emergency landing without undue hazard to persons or property on the surface
  - B. 1,000 feet above the highest obstacle within a horizontal radius of 2,000 feet
  - C. An altitude of 500 above the surface except over open water or sparsely populated areas
17. What is the minimum safe altitude over congested areas? [91.119]
  - A. An altitude allowing, if a power unit fails, an emergency landing without undue hazard to persons or property on the surface
  - B. 1,000 feet above the highest obstacle within a horizontal radius of 2,000 feet
  - C. An altitude of 500 above the surface except over open water or sparsely populated areas



18. What are the day-VFR weather minimums in Class D airspace. [91.155]  
A. 3 SM Clear of Clouds  
B. 5 SM 1,000 feet above 500 feet below and 2,000 feet horizontal of clouds  
C. 3 SM 1,000 feet above 500 feet below and 2,000 feet horizontal of clouds
19. What are the day-VFR weather minimums in Class E airspace, below 10,000 feet? [91.155]  
A. 3 SM Clear of Clouds  
B. 5 SM 1,000 feet above 500 feet below and 2,000 feet horizontal of clouds  
C. 3 SM 1,000 feet above 500 feet below and 2,000 feet horizontal of clouds
20. What are the day-VFR weather minimums in Class G airspace, at 1,000 feet AGL? [91.155]  
A. 1 SM Clear of Clouds  
B. 5 SM 1,000 feet above 1,000 feet below and 1 SM horizontal of clouds  
C. 3 SM 1,000 feet above 500 feet below and 2,000 feet horizontal of clouds
21. What documents must be aboard the aircraft at all times? [91.203]  
A. Airworthiness, Registration and Operating limitations  
B. Weight and balance, Placards and Compass Card  
C. All of the Above
22. What are you, as a student pilot, required to have before operating in Class B airspace?  
[91.131]  
A. A student pilot with an endorsement for that bravo airspace  
B. Under no circumstance may a student pilot operate in bravo airspace  
C. Only if there is an in-flight emergency
23. What is the minimum reserve fuel required for day VFR operations? [91.151]  
A. 30 mins  
B. 45 mins  
C. 60 mins
24. As a student pilot can you carry passengers? [61.89]  
A. Yes  
B. No  
C. Only to Vegas
25. What class medical certificate is required for solo flight? [61.23]  
A. First Class  
B. Second Class  
C. Third Class
26. Can a student carry property for compensation or hire? [61.89]  
A. Yes  
B. No  
C. Only if you are paid in BTC



27. Can a student pilot act as PIC in furtherance of a business? [61.89]

- A. Yes
- B. No
- C. Only if you are paid in BTC

28. Can you fly solo to Mexico? [61.89]

- A. Yes
- B. No
- C. Only if you are paid in BTC

29. Can you fly solo at night? [61.89]

- A. Yes
- B. No
- C. Only if you are paid in BTC

30. What aircraft inspections are required for flight? [91.409]

- A. None, just send it
- B. Annual, 100 HR, Altimeter & Pitot/Static, Transponder, ELT, and ADs
- C. Annual, VOR, 100 HR, Altimeter & Pitot/Static, Transponder, ELT, and ADs



## Aircraft Systems and Limitations

31. What is the never exceed speed of the aircraft? [POH Section 2]
  - A. 158 KIAS
  - B. 160 KIAS
  - C. 163 KIAS
32. What is the maximum structural cruising speed of the aircraft? [POH Section 2]
  - A. 126 KIAS
  - B. 128 KIAS
  - C. 130 KIAS
33. What is the maneuvering speed of the aircraft at 2300 lbs? [POH Section 2]
  - A. 97 KIAS
  - B. 89 KIAS
  - C. 80 KIAS
34. What is the maximum flap extended speed of the aircraft [POH Section 2]
  - A. 110 KIAS
  - B. 105 KIAS
  - C. 85 KIAS
35. What is the maximum engine speed? [POH Section 2]
  - A. 2500 RPM
  - B. 2600 RPM
  - C. 2700 RPM
36. What is the maximum oil temperature? [POH Section 2]
  - A. 118° C
  - B. 89° C
  - C. 250° C
37. What is the minimum oil pressure? [POH Section 2]
  - A. 20 PSI
  - B. 25 PSI
  - C. 100 PSI
38. What is the maximum oil pressure? [POH Section 2]
  - A. 20 PSI
  - B. 25 PSI
  - C. 100 PSI
39. What is the maximum takeoff weight? [POH Section 2]
  - A. 2,550 lbs
  - B. 2,300 lbs
  - C. 2,000 lbs



40. What is the total fuel of the aircraft? [POH Section 2]

- A. 40 gallons
- B. 43 gallons
- C. 50 gallons

41. How many gallons of usable fuel is available? [POH Section 2]

- A. 40 gallons
- B. 43 gallons
- C. 50 gallons

42. What are the approved fuel grades? [POH Section 2]

- A. 93 and 100LL
- B. 100 / 100LL
- C. Jet A / 100LL

43. How many volts is the electrical system? [POH Section 7]

- A. 12 volts
- B. 24 volts
- C. 28 volts

44. How many volts is the battery? [POH Section 7]

- A. 12 volts
- B. 24 volts
- C. 28 volts

45. What is the maximum oil system capacity? [POH Section 8]

- A. 4 quarts
- B. 6 quarts
- C. 8 quarts

46. What is the minimum oil quantity for flight operations? [POH Section 8]

- A. 4 quarts
- B. 6 quarts
- C. 8 quarts



## SBT

47. What is the altimeter setting on the METAR?

- A. 30.03
- B. 29.92
- C. 30.25

48. What are the winds on the METAR?

- A. 240 at 7
- B. 190 at 3
- C. Calm

49. What runway should you expect if you plan to solo on the 5th day at 1800z?

- A. 28R
- B. 28L
- C. 23

50. What is your planned takeoff weight?

- A. 1920 lbs
- B. 1969 lbs
- C. 2300 lbs

51. What is the moment of the fuel?

- A. 11,520.0
- B. 58,937.6
- C. 6,105.0

52. What is the takeoff CG?

- A. 39.8
- B. 40.6
- C. 40.9

53. What is the takeoff ground roll?

- A. 696.9 feet
- B. 557.6 feet
- C. 862.9 feet

54. What is the takeoff distance to clear a 50' obstacle?

- A. 1014 feet
- B. 1370 feet
- C. 1539 feet

55. After burning 10 gallons in flight what is the planned landing weight?

- A. 2240 feet
- B. 1909 feet
- C. 1860 feet



56. What is the landing ground roll?

- A. 1539 feet
- B. 1525 feet
- C. 1515 feet

57. What is the landing distance over a 50 foot obstacle?

- A. 1277.1 feet
- B. 1276.9 feet
- C. 1276.7 feet

58. What is the available landing distance for runway 28R?

- A. 3,399 feet
- B. 3,789 feet
- C. 4,598 feet

59. What is the takeoff distance available for runway 5?

- A. 3,010 feet
- B. 3,400 feet
- C. 4,200 feet

60. What is the ATIS frequency for KMYF?

- A. 122.95
- B. 119.2
- C. 126.9

61. What is the CTAF frequency for KMYF?

- A. 119.2
- B. 125.7
- C. 121.5

62. What is the Ground frequency for KMYF ?

- A. 118.225
- B. 119.2
- C. 126.9

63. What airspace is KMYF?

- A. Echo
- B. Delta
- C. Charlie

64. What is the altitude of the airspace at KMYF?

- A. Echo at 2,900 feet, Bravo at 4,800 feet
- B. Delta up to 2,900 feet, Bravo at 4,800 feet
- C. Delta up to 2,800 feet, Charlie at 4,800 feet

65. What landmark designates the surface bravo north of KMYF?

- A. Miramar's runways
- B. Ocean
- C. 52 freeway

