

1. Reviewing your personal records, are you legal to make this flight?
 - A. No, you will need a new medical certificate since you are 41.
 - B. No, you need to accomplish 1 more landing, day or night.
 - C. No, you lack a complex aircraft endorsement.
 - D. Yes, you are legal to go.

2. Is your aircraft airworthy for today's flight?
 - A. Yes, all inspections are completed.
 - B. No, your registration certificate has expired
 - C. No, you will need a current pitot-static check for the high altitude flight
 - D. No, your annual inspection has expired

3. You are planning to depart Seligman, AZ at 7 AM local time. Given the high cruising altitude on this leg, what does the AIM recommend about supplemental oxygen?
 - A. It should be provided to all passengers above 5,000' day or night
 - B. It should be used by the pilot above 5,000' day or night
 - C. It should be used by the pilot above 10,000' during the day
 - D. It should be provided for the pilot above 10,000' during the day

4. As you load up in Seligman, you note that there are 80 gallons of fuel on board. You place 75 pounds of camping supplies in the main baggage area. What is your ramp weight and CG? (Write in to the nearest pound and CG to the nearest 1/10th of an inch)

5. What effect will the density altitude have on your departure from Seligman?
 - A. Negligible since the density altitude is the same as the pressure altitude today.
 - B. It will increase your ground roll and reduce your climb rate since there is less air density.
 - C. It will cause you to rotate at a higher indicated airspeed to compensate for the decreased air density.
 - D. It will improve your performance all the way around since there will be less air do resist the aircraft as it takes off.

6. If you take off at 7:15 AM local time, what time will you arrive in Needles to pick up Emerson?
 - A. 7:52 AM
 - B. 6:52 AM
 - C. 14:56 UTC
 - D. 13:56 UTC

7. As you cross over the centerline of V562, what is the floor of the Victor airway?
 - A. 1,200' AGL, just like all Victor airways.
 - B. 700' AGL because of the shading along the edges of the airway.
 - C. 8,500 MSL
 - D. 1,500' AGL due to the rugged terrain

8. What will your VFR weather minimums be as you fly over US Route 93?
 - A. 1 Statute mile visibility and clear of clouds.
 - B. 3 Statute miles visibility, 500' below, 1,000' above, and 2,000' horizontal from clouds.
 - C. 5 Statute miles visibility, 1,000' below, 1,000' above, and 1 statute mile horizontal from clouds.
 - D. None of the above.

9. What will your landing distance on the most suitable runway be over a 50' obstacle be upon arriving in Needles? (Assuming no gust)
- A. 1,750'
 - B. 2,050'
 - C. 2,190'
 - D. 2,410'
10. What are your VFR weather minimums as you land in Needles?
- A. 1 Statute mile visibility and clear of clouds.
 - B. 3 Statute miles visibility, 500' below, 1,000' above, and 2,000' horizontal from clouds.
 - C. 5 Statute miles visibility, 1,000' below, 1,000' above, and 1 statute mile horizontal from clouds.
 - D. None of the above.
11. How much fuel did you burn on the leg to Needles? (Write in to the nearest 1/10th of a gallon)
12. Emerson hops on and you plan to file a flight plan for the leg up to Searchlight. What will your true airspeed be?
- A. 149 knots
 - B. 146 knots
 - C. 142 knots
 - D. 137 knots
13. Is your weight and balance within limits for takeoff to Searchlight?
- A. Yes.
 - B. No, you are out of zero fuel limits.
 - C. No, you are out of maximum takeoff limits.
 - D. No, you are out of maximum landing limits.
14. What will be your time to reach cruise altitude on this leg?
- A. 6:18
 - B. 6:23
 - C. 6:28
 - D. 6:33
15. If you took off at 9:54 AM, what time will you cross into Nevada?
- A. 1805 UTC
 - B. 1702 UTC
 - C. 10:05 AM local
 - D. 10:08 AM local
16. How will you open your flight plan on this leg?
- A. Call 1-800-992-7433 after takeoff to open the flight plan.
 - B. Riverside radio on 122.2 through the Needles RCO
 - C. Prescott radio on 122.1 and listening over the Needles VOR 115.2
 - D. Either B or C will work.
17. How long will you be in cruise on the way up to Searchlight?
- A. 9:24
 - B. 10:00
 - C. 8:33
 - D. 10:49

18. In planning for your arrival into Searchlight, you wonder what your density altitude will be on landing given the hot weather today. You figure it should be about...
- A. 6,700'
 - B. 7,100'
 - C. 7,500'
 - D. 8,000'
19. Where will you begin your descent into Searchlight?
- A. 1 nm before passing abeam Kidwell airport
 - B. Abeam a 2,980 foot hill
 - C. 1 nm after passing the twin towers on the right.
 - D. 4 minutes after crossing the California/Nevada state line
20. What will your aircraft weigh upon touchdown? (Write in to the nearest pound)
21. You forgot to close your flight plan again! How long until search and rescue begins looking for you?
- A. 30 minutes after landing.
 - B. 1 hour after landing.
 - C. ½ an hour after estimated time of arrival.
 - D. 1 hour after estimated time of arrival.
22. As you review the weather for your last leg to Grand Canyon Caverns, you review the FA for your route of flight. If you are planning to depart at 12 PM, what kind of weather can you expect for this leg?
- A. Some smoke aloft giving way to high overcast cirrus clouds with some light thunderstorms and rain.
 - B. Clear skies turning to scattered to broken cirrus clouds as you progress with some isolated light thunderstorms and rain.
 - C. A little smoke, but otherwise clear skies turning to scattered cirrus clouds with widely scattered light rain and thunderstorms.
 - D. Pretty much clear skies with some scattered to broken cirrus clouds as you progress. Isolated light rain and thunderstorms as well.
23. You pick up McKenzie and she hops in back. She also has a 25 pound bag she secures in baggage zone B. She wants to know when you will get to Grand Canyon Caverns airport. Having just finished your flight planning you tell her...
- A. 12:18 PM local time
 - B. 12:36 PM local time
 - C. 1:03 PM local time
 - D. 1:35 PM local time
24. What does the symbol 12.5 nm into this leg on the shore of the lake mean?
- A. The airport has not been verified.
 - B. That it is an airport only for ultralight aircraft.
 - C. The airport is unlighted.
 - D. The airport is occasionally underwater.
25. If you were on the leeward side of the Black Mountains and were expecting some mountain wave, how would you cross the ridge?
- A. Approach perpendicular at cruise altitude and depart on a 45° angle.
 - B. Approach on a 30° angle and depart straight out.
 - C. Approach and depart perpendicular to the ridge, but add 1,000-2,000' when approaching the ridge.
 - D. Approach on a 45° angle and 1,000-2,000' feet higher than normal and depart however you want.

26. What is the minimum altitude you should maintain crossing over the Mount Tipton Wilderness Area?
- A. 7,500 MSL
 - B. 1,500 AGL
 - C. 2,000 AGL
 - D. 9,200 MSL
27. How long will you spend in cruise on this leg?
- A. 20:32
 - B. 21:18
 - C. 22:01
 - D. 22:54
28. You begin to wonder, if you had flown at 15,500 MSL instead, how much supplemental oxygen would you need for yourself? (Assume the same winds aloft and true airspeed as you had at 11,500 MSL.)
- A. 16:39
 - B. 19:31
 - C. 22:44
 - D. 24:12
29. If you did fly at 15,500 MSL, would your passengers need oxygen?
- A. No, passengers never need to have oxygen.
 - B. No, you are not above 12,500 feet for more than 30 minutes.
 - C. Yes, they would need to be provided with and use supplemental oxygen at all times above 15,000 feet.
 - D. Yes, they would have to be provided with supplemental oxygen above 15,000 feet but they would not have to use it.
30. As you fly along, you wonder if you will be able to see any water in Red Lake today.
- A. Yes
 - B. No
 - C. Either A or B
 - D. None of the above
31. While you are cruising along at 11,500 MSL, you try to remember what some of the indications of hypoxia are. Some of them can be...
- A. Rapid breathing, blue fingertips, feeling of suffocation.
 - B. Blue fingertips, poor judgment, headache
 - C. Feeling of suffocation, chilled feeling, rapid breathing
 - D. Blue fingertips, rapid breathing chilled feeling
32. What is your magnetic heading in cruise?
- A. 068°
 - B. 104°
 - C. 092°
 - D. 079°
33. Where will you begin your descent to land at Grand Canyon Caverns airport?
- A. Abeam the town of Truxton.
 - B. Crossing the 169 radial from the Peach Springs VORTAC.
 - C. 8 minutes prior to landing.
 - D. When your DME from Peach Springs VORTAC reads 14.9 DME.

34. What will your landing distance over a 50' obstacle be at Grand Canyon Caverns? (For safety, assume landing on gravel is the same as landing on grass)
- A. 1,700'
 - B. 2,720'
 - C. 3,690'
 - D. 4,272'
35. How much total flight time did you log today?
- A. 1:26:22
 - B. 1:31:48
 - C. 1:34:21
 - D. 1:39:00
36. If you want to fill your fuel tanks to their 98 gallon capacity, how much fuel will you put in the tanks?
- A. 35.1 gallons
 - B. 22.9 gallons
 - C. 20.2 gallons
 - D. 17.1 gallons
37. Did you do anything wrong on this flight?
- A. No.
 - B. Yes, you flew at the wrong altitude on one leg.
 - C. Yes, you violated weight & balance limitations on one leg.
 - D. Yes, you flew into a mountain on one leg.