

1. After reviewing your records, are you legal to act as Pilot-in-Command of this trip? (If necessary, mark all that apply)
 - A. No, you need one more night landing.
 - B. No, your medical certificate is expired.
 - C. No, you need to complete a BFR.
 - D. Yes. Everything is in order and current to complete the trip.

2. After reviewing the aircraft's records, is the plane legal for the entire trip as planned? (If necessary, mark all that apply)
 - A. No, an ELT inspection needs to be completed.
 - B. No, a 100 hour inspection needs to be completed.
 - C. No, a transponder inspection needs to be completed.
 - D. Yes. The plane is current and legal to complete the trip.

3. Your medical certificate is valid until what date?
 - A. On or before October 31, 2010
 - B. On or before October 9, 2012
 - C. On or before October 31, 2012
 - D. On or before December 31, 2012

4. This trip will be the first time Bryan has ever been in an airplane. What items must you ensure he is briefed on before departing? (If necessary, mark all that apply.)
 - A. Since he is not acting as a crew member, he does not need to be briefed on any items.
 - B. The operation of the parachute system of the Cirrus.
 - C. The operation of the emergency equipment of the aircraft including the exits and fire extinguisher.
 - D. How to fasten and unfasten his seatbelt and shoulder harness.

5. With your brother sitting in the front passenger seat, what is your ramp weight and C.G. prior to engine start in KRHI?
 - A. 3203 lbs. at 145.2"
 - B. 3203 lbs. at 143.34"
 - C. 3323 lbs. at 143.76"
 - D. 3323 lbs. at 145.55"

Just prior to turning your cell phone off for the flight, you notice you have a message from Marty. It reads "KIMT is closed due to disabled aircraft. Please pick me up at Iron Co." You will now pick Marty up at Iron Co. and drop him off there on the return trip.

6. You are running ahead of schedule and will depart 20 minutes earlier than planned. What class of airspace is active at KRHI?
 - A. Class C
 - B. Class D
 - C. Class E
 - D. Class G

7. When you depart Rhineland, what are the VFR weather minimums?
 - A. 3 SM flight visibility, 500' below, 1,000' above, 2,000' horizontal distance from clouds.
 - B. 5 SM flight visibility, 1,000' below, 1,000' above, 1 SM horizontal distance from clouds.
 - C. 1 SM flight visibility, clear of clouds.
 - D. 1 SM flight visibility, 500' below, 1,000' above, 2,000' horizontal distance from clouds.

8. Using the KRHI METAR, what is your takeoff ground roll distance using the most suitable runway?
 - A. 771'
 - B. 923'
 - C. 1006'
 - D. 1159'

9. As you pass near Headwaters Wilderness Area, Bryan asks you to do a low pass over it so he can take some pictures. You tell him that it wouldn't be worth it because the minimum altitude you are requested to stay at or above is...
- A. 3,000' AGL
 - B. 2,000' AGL
 - C. 1,500' AGL
 - D. 1,000' AGL
10. How much time do you spend during descent on leg one?
- A. 3:11
 - B. 5:28
 - C. 6:12
 - D. 6:58
11. How much of leg one was logged as *Night*?
- A. 5 minutes
 - B. 35 minutes
 - C. 1 hour and 5 minutes
 - D. None of leg one was flown at night.

You spend 30 minutes on the ground in Iron County.

12. Using the most suitable runway with respect to the local surface winds, what is your takeoff distance over a 50' obstacle?
- A. 943'
 - B. 1039'
 - C. 1525'
 - D. 1714'
13. After leveling off in cruise, Bryan asks what time you will be arriving in Hancock. What do you tell him?
- A. 8:28 AM
 - B. 9:28 AM
 - C. 9:10 AM
 - D. 8:10 AM
14. What does the dotted line signify 28 SM into leg 2?
- A. The state line between Michigan and Wisconsin
 - B. Military Training Route
 - C. Abandoned aqueduct
 - D. None of the above
15. On this current leg, as fuel is burned what is the effect on the center of gravity?
- A. Moves forward.
 - B. Moves aft.
 - C. Does not change.
 - D. Unable to determine.
16. If necessary, abeam what point on leg 2 do you need to contact UNICOM prior to landing at KCMX?
- A. It is unnecessary to contact UNICOM prior to landing.
 - B. Over a 420' AGL tower.
 - C. Prior to passing *Ned Lake*.
 - D. You only need to contact UNICOM upon landing.

17. What is your MH and GS during descent into KCMX?
- A. 348° and 166 knots.
 - B. 348° and 178 knots.
 - C. 355° and 189 knots.
 - D. 355° and 201 knots.
18. Using the most suitable runway for landing, at what distance from the airport should you be able to first see the visual glideslope indicator?
- A. 20 miles.
 - B. 10 miles.
 - C. 5 miles.
 - D. 3 miles.
19. If you are following the visual glideslope indicator referenced above, at what height should you cross the runway threshold?
- A. 41'
 - B. 44'
 - C. 45'
 - D. 50'
20. While performing your post flight inspection, you notice that you struck a bird which subsequently damaged the right flap. Is this able to be repaired here?
- A. No.
 - B. Yes.

Regardless of your answer to question 20, you will continue the remainder of the trip as planned. You return to the airport on Sunday at 1835z and plan to depart 30 minutes later.

21. With Marty sitting in the rear passenger seat, what is your ramp weight and C.G. before departing Houghton County?
- A. 3353 lbs. at 145.93"
 - B. 3353 lbs. at 142.7"
 - C. 3473 lbs. at 144.83"
 - D. 3473 lbs. at 146.24"
22. Referencing the A/FD, you note that runway 13 is 150' wide. How many runway threshold stripes can you expect to be on the runway?
- A. 6.
 - B. 8.
 - C. 10.
 - D. 12.
23. What rate of climb do you plan to have on departure from Houghton County?
- A. 824 fpm
 - B. 886 fpm
 - C. 1037 fpm
 - D. 1267 fpm
24. Reviewing your weather briefing, what time can you expect a ridge to be in the Lake Superior region?
- A. There is not a ridge forecast to be in that region.
 - B. 1000Z
 - C. 1800Z
 - D. 1900Z

25. What class of airspace does Iron County Airport lie under?
- Military Operations Area
 - Class D
 - Class E
 - Class G
26. What is located at N46°29.97' W89°25.27'?
- Lookout Tower
 - The town of Trout Creek
 - Water Well
 - Quarry
27. How long are you in cruise between Houghton County and Iron County?
- 8:45
 - 10:00
 - 11:34
 - 13:05
28. If you look at your FAs, you'll notice that winds are not forecast. What minimum sustained surface wind speed must be forecast for it to be included in the FA?
- 20 knots.
 - 30 knots.
 - 40 knots.
 - 50 knots.
29. What is your landing ground roll distance on runway 2 referencing the current METAR?
- 1061'
 - 1163'
 - 1277'
 - 1689'

You are on the ground for 20 minutes in Iron County.

Being your younger brother, Bryan enjoys testing your patience. On the flight home to Rhinelander he thinks he has you cornered and begins asking you general knowledge questions from one of your aviation books you brought with you on the trip.

30. Always familiar current events, he asks "If you're like FAA Administrator Randy Babbitt and get arrested for a DUI, do you have to report this incident to the FAA?"
- Yes. You have 30 days to report this incident.
 - Yes. You have 60 days to report this incident.
 - Yes. You have 90 days to report this incident.
 - It is not necessary to report this incident to the FAA until convicted.
31. Thinking about the bird strike you experienced earlier in the trip and the damage associated with it, he asks, "Which of the following items does not need to be included in the maintenance sign-off in the aircraft records?"
- A description of the work performed.
 - The date of completion of the work performed.
 - The signature and certificate number of the person approving the aircraft for return to service.
 - The airport where the work was performed.
32. Which of the following scenarios that Bryan gives you would require immediate notification to the NTSB? (If necessary, mark all that apply.)
- The backup radio shorts out and catches on fire.
 - A bird strike which causes greater than \$25,000 damage to the aircraft.
 - You are taxiing at night and collide with a parked aircraft that you did not see.
 - On descent into landing, the ailerons become jammed and you are only able to make right turns.

33. If the surface winds at 1830z are 185° at 10 kts and at 1837z are 130° at 12 kts. Does this meet the criteria for a SPECI METAR to be issued?
- A. Yes.
 - B. No.
34. Before departing Iron Co, if the barometric pressure rose to 31.13", would you be permitted to depart?
- A. Yes, as long as you abide by the NOTAM.
 - B. No, VFR flight is not permitted.
35. Approximately 11 NM from Iron Co, Bryan looks at the sectional and asks, "What does VR604 mean"?
- A. It is a VFR Military Training Route with no segment above 1,500' AGL.
 - B. It is a VFR Military Training Route with no segment above 604' AGL.
 - C. It is a VFR Military Training Route with one or more segments above 1,500' AGL.
 - D. It is a VFR Military Training Route with one or more segments above 604' AGL.
36. What is your landing weight and C.G. at Rhinelander?
- A. 2850 lbs. at 152.3"
 - B. 3049 lbs. at 142.8"
 - C. 3169 lbs. at 143.2"
 - D. 3169 lbs. at 144.8"
37. How much flight time did you log in the state of Michigan on the entire trip?
- A. 22:03
 - B. 31:13
 - C. 48:54
 - D. 52:33
38. What, if anything, did you do wrong on this trip? (If necessary, mark all that apply.)
- A. You were not legal to act as a PIC for this trip.
 - B. Flew an unairworthy aircraft.
 - C. Exceeded the weight and center of gravity limits of the aircraft.
 - D. You did nothing wrong on this trip.
39. How much fuel do you have remaining in your aircraft?
- A. 41 gallons
 - B. 46 gallons
 - C. 53 gallons
 - D. 66 gallons
40. How much time did you log today?
- A. 1:24:44
 - B. 1:36:04
 - C. 1:13:56
 - D. 1:44:30