

## PFTC Biennial Flight Review Written Exam

**61.3 What are the documents required for acting as PIC?**

**91.3 A What is the main responsibility of the PIC?**

**91.3 In an emergency, what is the PIC authorized to do in regards to the FARs?**

**91.17 No alcohol within how much time before a flight? The answer is the minimum, what is a good rule to follow in regards to consuming alcohol before flight?**

**91.103b What pre-flight action is required for any flight? For a flight outside the local area?**

**91.105 Seatbelts are required to be used when? When is the shoulder harness required? Is there an exception to the shoulder harness rule?**

**91.107 Must you brief passengers on seat belt usage? What else should they be briefed on? (Think of an airline flight)**

**91.111 General rule on operating near other aircraft in flight?**

**91.111 Can you fly in formation with another aircraft?**

**91.113 Basic Right of Way rules in VFR?**

**91.113 Put these aircraft categories in order of right of way: Rotorcraft, Glider, Airplane, Airship, Balloon.**

**91.113 Which aircraft have right of way over all others?**

**91.113 When approaching another aircraft head-on at same altitude, which direction should you alter your course?**

**91.113 When overtaking another aircraft from behind, which direction should you go?**

**91.113 For landing, which aircraft has the right of way? (Non-towered airport)**

**91.119 General minimum safe altitude rule? Over congested areas? Sparsely populated areas?**

**91.121 What should the altimeter setting be in regards to pressure during flight? On the ground? On the ground at a field without a weather reporting system?**

**91.123 You must comply with all ATC clearances. When are you allowed to deviate from an ATC clearance?**

**91.123 ATC has told you to turn to a heading or direction. As you turn, you see another aircraft that you will collide with. Do you respond first and call ATC or call ATC first?**

91.123 You declare an emergency; do you have to submit a written report? If you do, what length of time do you have after the incident to file the report?

91.125 *Light Gun Signals*

Color and Signal Type	On Ground	In flight
Steady Green		
Flashing Green		
Steady Red		
Flashing Red		
Flashing White		
Alternating Red and Green		

91.151 How much fuel required for day VFR flight? Night VFR flight?

91.155 *Basic VFR Weather Minimums*

Airspace Class	Visibility Required	Required Cloud Clearance
Class B		
Class C		
Class D		
Class E (below 10,000 MSL)		
Class E (above 10,000 MSL)		

**91.131b Requirements for Operating in Class B Airspace?**

**Dimensions, chart depiction:**

**Pilot license:**

**Clearance required:**

**Two way radio:**

**Transponder:**

**91.129 Requirements for Operating in Class D Airspace**

**Dimensions, depiction:**

**Pilot:**

**Two-way radio:**

**Transponder:**

**91.130 Requirements for Operating in Class C Airspace**

**Dimensions, depiction:**

**Pilot:**

**Two way radio:**

**Clearance required:**

**Transponder:**

**91.127 Requirements for Operating in Class E Airspace:**

**91.159 VFR cruising altitudes below 18,000 MSL (General rule and example)**

**91.157 When may a Special VFR be conducted?**

**91.205b Minimum Aircraft Equipment for Day VFR**

**91.205c Minimum Aircraft Equipment for Night VFR**

**91.209 Can you operate an aircraft at night without position lights?**

**91.211 When must you use supplemental oxygen in flight? When must you supply oxygen for passengers?**

**91.215 When is a Transponder with Mode C required?**

**91.203 What documents are required for the Aircraft?**

**91.303 What, according to the FAR's, determines aerobatic flight?**

**91.307 When are parachutes required and the exceptions?**

**91.403 Who is responsible for maintaining the aircraft in an airworthy condition?**

**91.403 What is preventative maintenance? Can you perform preventative maintenance on your aircraft? Some examples?**

**91.405 You determine a piece of equipment to be inoperative, what must you do?**

**91.407 Your aircraft has just come from major repair, what must you ensure has been done in regards to the logs being completed? Is a flight test required?**

**91.409 You own an airplane, what are the required inspections and their durations?**

**91.409 You own your airplane, but are leasing it to PFTC. What other inspection is required?**

**91.411 How often must the pitot static and transponder systems be checked?**

**91.171 For IFR use, how often must the VOR be tested?**

**91.417 Work has performed on your aircraft. Where the entry must be made?**

**91.417 There are life-limited parts on an airplane. Give some examples of what those may be.**

**91.137 What is a TFR? When may a TFR be issued?**

**True or False: If you call an FSS briefer, they will automatically give you any TFRs along your route of flight?**

**True or False: ATC will advise you of a TFR and steer you away from it?**

**You haven't flown in 90 days and you want to take a passenger with you. What must you do before taking a passenger? Part II. The same question, but you will be flying at night.**

**It's been a long, cold, grey winter. A clear, sunny day comes along and you can go flying! The forecast is for the weather to remain clear, but the winds are forecasted to be 180/10G17. Should you go? Should call PFTC and see if there's an instructor available? Does this exceed your crosswind limit or the limit of your airplane?**

**You have a relative in from out of town. They want to fly to Franklin, PA for lunch. You haven't flown in a month, but you are still legal. The weather is VFR, but forecasted to become MVFR near the time you'll be returning. They really want to go and won't be back for a while. Discuss. (Alternate Question: Business flight, same basic scenario)**

**You want to fly to an airport with a great restaurant. The field is 2700 ft long and 50ft wide and in a valley. The weather is VFR, but a little breezy, with a crosswind. The temperature is 85 degrees and moderately humid. You will be taking two other people in a C-172. Discuss**

**Read and decode this METAR/TAF:**

KAGC 181307Z 26013G19KT 3SM -SN FEW007 SCT012 OVC024 M02/M04 A2972  
RMK AO2 P0000

KAGC 181120Z 1812/1912 20008KT 2SM -SHSN OVC008  
TEMPO 1812/1816 4SM -SN OVC015  
FM181600 24010KT 4SM -SHSN BR OVC015  
FM190300 26008KT P6SM OVC015

**Read and decode this PIREP:**

PIT UA /OV PIT /TM 1240 /FL095 /TP UNKN /SK TOP095 /IC LGT RIME /RM /TA  
UNKN/ RPTD NMRS AC DURC SFC-095

**What are the following speeds and limitations for your aircraft?**

**V<sub>r</sub>**\_\_\_\_\_

**V<sub>x</sub>**\_\_\_\_\_

**V<sub>y</sub>**\_\_\_\_\_

**V<sub>a</sub>**\_\_\_\_\_

**V<sub>s</sub>**\_\_\_\_\_

**V<sub>so</sub>**\_\_\_\_\_

**V<sub>fe</sub>**\_\_\_\_\_

**V<sub>le</sub>**\_\_\_\_\_

**Max X-wind \_\_\_\_\_ Is this a limitation**

**Does Va change with aircraft weight?**