

Name: _____ Date: _____

CFI: _____ Score: _____

GACE 2025 WRITTEN REVIEW

Follow Instructions for Each Section

Ground Review (circle the correct answer)

- 1) How can a pilot determine if the aircraft is equipped with a Mode C altitude encoding transponder? (14 CFR 91.203. 91.9)
 - a) The POH
 - b) Airworthiness Certificate
 - c) Registration Certificate
 - d) Weight and Balance data

- 2) Pilots who are convicted of any law relating to drugs or alcohol related to motor vehicle action must notify the FAA Civil Aviation Security Division (AMC-700) not later than (14 CFR 61.15)
 - a) 10 days from pilot's notice of conviction
 - b) 30 days from pilot's notice of conviction
 - c) 60 days from pilot's notice of conviction

- 3) On preflight inspection, you find the left fuel gauge inoperative. Which statement is True? (14 CFR 91.213)
 - a) You may not take the flight
 - b) You may take the flight as long as the gauge is placarded "inoperative" and an entry was made in the maintenance logbook.
 - c) You may take the flight as long as you placard the gauge as "inoperative", make an entry in the maintenance records and visually confirm the amount of fuel in the left tank.

- 4) Which statement is correct with respect to minimum safe altitudes (assume you are not taking off or approaching to land). (14 CFR 91.119)
- a) Over other than congested areas at an altitude of 500 feet above the surface, except over open water or sparsely populated areas. In those cases the aircraft may not be operated closer than 500 feet to any person, vessel, vehicle or structure-example: cabin cruiser on the lake, height of boat + 500'.
 - b) At any location at an altitude allowing, if a power unit fails, an emergency landing without due hazard to persons or property on the surface or to the occupants of the aircraft.
 - c) Over a congested area of a city, town or settlement or over any open-air assembly of persons, the minimum altitude is 1,000 feet over the highest obstacle within 3,000 feet of the aircraft.
- 5) An ATC clearance provides, (Pilot/Controller Glossary)
- a) priority over all other traffic
 - b) adequate separation from all traffic
 - c) authorization to proceed under specified traffic conditions in controlled airspace.

Aircraft N5312S POH/SUPPLEMENT MANUAL
(fill in the blanks)

- 6) What is the maximum allowable weight in utility category?

- 7) What is the maximum allowable weight in the baggage area 2?

- 8) What is the allowable aft C.G. in the normal category?

- 9) If a total loss of oil pressure is accompanied by a rise in oil temperature, you should?

10) What is the recommended duty cycle for this particular aircraft?

11) The plastic windshield and windows should be cleaned with? (circle correct answer)

- a) Windex and paper towels
- b) Any spray cleaner available
- c) An approved aircraft plexiglass cleaner and polisher

Aircraft 5928E (fill in the blank)

12) What is the FIRST action to be taken if there is a cabin fire in-flight?

13) What is the FIRST action to be taken if there is an electrical fire in-flight?

14) What is the FIRST action to be taken if the ammeter shows an excessive rate of charge?

15) You are flying at cruise altitude with an operating temperature below -18 C, you should (circle correct answer)

- a) Apply carb heat immediately at this altitude
- b) Apply partial carburetor heat at this altitude
- c) Adjust the mixture control

- 16) When operating in temperatures below -18 C, avoid using partial carb heat because Partial heat may decrease the carb air temp to be 0 to 21 C range where icing is critical under certain atmospheric conditions.
- a) TRUE
 - b) FALSE

R&P Manual (circle correct answer)

- 17) A GACE pilot has scheduled a club aircraft on a particular day for a two-hour block; there is a pilot scheduled after this two-hour period. The first pilot takes off one hour late without notifying the next pilot. Pursuant to the GACE Procedures Manual, this pilot should have:
- a) Canceled his flight because he/she is in violation of 3.3.1 & 3.3.2 of the GACE Procedures Manual.
 - b) Post a message on the office white face board advising the next pilot you're running late.
 - c) Leave a voice message on the next pilot's phone advising him/her you're running late.
- 18) Fuel/Oil purchase on the Road & Modern's fuel pump...in order for a pilot's account to be credited, he/she must?
- a) Call the office and notify the accounts receivable committeeman.
 - b) Staple the receipt to the back of the white billing form with the printed side facing out.
 - c) Record the amounts directly onto the pink copy only
- When an aircraft is returned to GACE tie-down area, the aircraft shall be stopped while STILL ON AND PARALLEL TO THE YELLOW TAXI LINE, prior to proceeding with the shutdown procedures. Then and only then, the pilot may push down on the aircraft fuselage to turn the aircraft and push on the nose spinner to move the aircraft back into the tie-down area. (circle correct answer)
- a) This is I/A/W the GACE Flying Club Procedures Manual
 - b) This is in violation of the GACE Flying Club Manual
 - c) This is I/A/W the current AIM

- 19) I/A/W the GACE Flying Club Procedures Manual, the following are either true or false. (3.8.1; 3.3.2.1, 3.8.3.1)
1. Completion of a flight full payment is due upon receipt
 2. Members are encouraged to make payments at completion of flight, based on the rate schedule posted in the office
 3. If there is an unpaid balance exceeding \$100 for any member, the member shall be grounded
- a) Only a) is true
 - b) Only b) is true
 - c) 1,2,& 3 are true

21) Vacation flights (3.4.1) a pilot must provide in advance to the Operations Director the itinerary with destination and expected dates of said trip.

- a) TRUE (
- b) FALSE

22) Maintenance 7.0 states "Under no circumstances shall a Club Member sign a waiver of responsibility for work to be performed on GACE aircraft or it's equipment unless so authorized by the Board of Directors

- a) TRUE
- b) FALSE

BACK TO BASICS (circle the correct answer)

23) Pursuant to the POH for N5312S, Emergency Procedures, 3-14, the MOST IMPORTANT course of action experiencing In-flight engine failure is?

- a) Look for a suitable landing area
- b) Advise ATC immediately
- c) Set transponder to 7700
- d) Configure aircraft for best glide

- 24) METAR converts C degrees to F degrees
- a) TRUE
 - b) FALSE
- 25) TAF gives Temperature(s)
- a) TRUE
 - b) FALSE
- 26) MOS converts C degrees to F degrees
- a) TRUE
 - b) FALSE
- 27) The conversion formula for C degrees to F degrees is $(C\# \times 1.8) + 32$ or rule of thumb is add 30 to the C# for a rough figure.
- a) TRUE
 - b) FALSE

DID YOU KNOW (circle correct answer)

- 28) Flying in VFR conditions we can deal with frozen precipitation at times including frost, freezing rain and snow. Icing can be more of a no-go decision than thunderstorms in the vicinity.
- a) TRUE
 - b) FALSE
- 29) A reference altitude for GA aircraft for icing is from 5,000' upwards to 15,000'. A moving trim wheel, decaying airspeed and the sudden autopilot disconnect are indications of icing.
- a) TRUE
 - b) FALSE

END OF REVIEW