

AFSVA/SVPCR

Annual Standardization Exam

1 April 2016

(Supplement with 15 local area questions)

(Required passing score: 80%)

Please Do Not Mark Booklet

*Use 1584C Answer Sheet and
Submit Answer Sheet Only*

Annual Standardization Exam Questions (35)

(Select **Best Answer** for each question)

(Question 1 through 10 references AFI 34-117)

1. You have a Private, SEL rating with 250 hours and a current FAA Medical. You last flew an Aero Club Archer on 15 Aug, and accomplished 3 takeoffs and landings. You last flew an Aero Club Cessna 172 on 15 Oct. On that flight you accomplished 3 takeoffs and landings. It is 1 December and prior to flying as PIC of an Aero Club Piper Archer you must accomplish the following (All dates are in same calendar year):

- A. recurrency check and closed book exam for that make and model aircraft.
- B. Three takeoffs and landings to with a current and qualified club certified flight instructor (CFI).
- C. Nothing, you are current to fly the Archer

2. No person shall operate or occupy a club aircraft unless they have _____ within the previous 12 months. (NOTE: This requirement does not apply to FAA Inspectors performing official flight examinations.)

- A. successfully completed the applicable checkout requirements
- B. executed an AF Form 1585, Covenant Not to Sue and Indemnity Agreement
- C. has been endorsed by a flight instructor for solo flight

3. Who is personally responsible for the safety and actions of passengers?

- A. The PIC
- B. Each passenger, after a proper safety briefing by the PIC
- C. Each passenger, regardless of receiving a briefing by the PIC

4. The PIC:

- A. shall ensure appropriate survival and safety equipment for the intended operation area is onboard the aircraft.
- B. shall ensure an FAA approved personal flotation device for each occupant is onboard the aircraft and readily accessible on all flights.
- C. shall ensure adequate tie-down equipment is onboard for all flights.

5. Managers shall supply a consolidated aircraft checklist for each aircraft operated. Use of the checklist by pilots is

- A. mandatory.
- B. optional.
- C. highly encouraged.

6. Use of locally developed in-flight guides is

- A. mandatory.
- B. optional.
- C. highly encouraged

7. Pilot Currency. Managers or Chief Flight Instructors _____ credit pilot activities performed in other than club aircraft to satisfy currency requirements.

- A. Will not
- B. Should not
- C. May

8. Simulated emergency training

- A. may be conducted in Instrument Meteorological Conditions (IMC) with approval from the club manager or Chief Flight Instructor
- B. is limited to Visual Meteorological Conditions (VMC)
- C. is not authorized in any Aero Club aircraft, unless part of the private pilot syllabus.

9. The following shall not be performed at night.

- A. VFR Flight below 2,000 feet AGL for any/every stage of flight
- B. Operations at airports without runway lighting
- C. Unusual attitudes, stalls, approach to stalls, or flight at minimum controllable airspeed, when required by Part 141 approved syllabus instruction

10. Which of the following statements regarding flight plans is false?
- A. Pilots shall file a flight plan for all flights outside the local area.
 - B. Before filing to a military field, contact the destination base operations and aero club (if applicable) to ensure they can accept the aircraft, and obtain a Prior Permission Required (PPR) number, if required. (**NOTE:** Enter the statement "USAF Aero Club aircraft, please advise _____ Base Operations" in the remarks section of the flight plan.)
 - C. When departing a military base from other than home station, the pilot is not required to file a flight plan with the local base operations.

(Question 11 references NTSB Part 830)

11. An aircraft accident is an occurrence associated with the operation of an aircraft which takes place _____, and in which any person suffers death or serious injury, or in which the aircraft receives substantial damage.
- A. between the time any person boards the aircraft with the intention of flight and all such persons have disembarked
 - B. between the time any person sets the power with intention of takeoff and the aircraft comes to a complete stop after final landing
 - C. between the time the aircraft first begins movement after first engine start and the aircraft makes a final stop prior to final engine shutdown

(Questions 12 through 17 reference 14 CFR Part 91)

12. When can a pilot in command of an aircraft deviate from any rule under FAR part 91?
- A. during an in-flight emergency requiring immediate action, the pilot can deviate from all sections of part 61
 - B. in order to comply with ATC direction while operating at a military airfield
 - C. during an in-flight emergency requiring immediate actions, to the extent required to meet that emergency
13. Who is responsible for determining whether an aircraft is in condition for safe flight?
- A. the aero club manager
 - B. the pilot in command of the aircraft
 - C. a certificated aircraft maintenance inspector
14. An aircraft's operating limitations may be found in the
- A. FAA-approved aircraft flight manual
 - B. owner's handbook published by the aircraft manufacturer
 - C. aircraft flight manual, approved manual material, markings, and placards, or any combination thereof

15. While on base leg in an airport traffic pattern, you sight another airplane on final. The airplane that has the right-of-way is the one

- A. that is the least maneuverable
- B. which is closest to the landing threshold
- C. on final approach, regardless of altitude

16. You are approaching to land at an airport and see an alternating red and green light signal. You should

- A. Exercise extreme caution
- B. Give way to other aircraft and continue circling
- C. not land because the airport is unsafe

17. Special VFR may only be conducted

- A. Clear of Clouds
- B. in a multi-engine aircraft
- C. if the PIC has a Special VFR endorsement

(Questions 18 through 20 reference 14 CFR Part 61)

18. The holder of a pilot certificate who has made a change in permanent mailing address may not, after _____ from that date, exercise the privileges of the certificate unless the holder has notified the FAA of the new permanent address.

- A. 30 days
- B. 60 days
- C. 90 days

19. A student pilot may act as the pilot in command of an aircraft carrying passengers, provided the instructor has endorsed the student pilot certificate for solo flight.

- A. True
- B. False

20. In relation to operating expenses while you are acting as pilot in command, the regulations specify that as a private pilot you may

- A. not share operating expenses with passengers
- B. share the operating expenses with passengers
- C. share the operating expenses with passengers and receive compensation from them for pilot services

(Questions 21 and 22 reference FAA-H-8083-3A)

21. Which of the following is required to spin an aircraft??
- A. Stalled wing
 - B. High rate of rotation
 - C. Rapid loss of altitude
22. (Refer to figure 1.) In flying the rectangular course, when would the aircraft be turned less than 90 degrees?
- A. Corners 1 and 4
 - B. Corners 1 and 2
 - C. Corners 2 and 4

(Questions 23 through 27 reference FAA-H-8083-25A)

23. If a pitot tube is blocked, which instrument would be affected?
- A. Altimeter
 - B. Airspeed Indicator
 - C. Vertical speed indicator
24. On a standard airspeed indicator, the bottom of the white arc indicates?
- A. The lowest speed at which the airspeed indicator is calibrated for normal use
 - B. The stalling speed, or the minimum steady flight speed in the landing configuration
 - C. The maximum speed with the flaps extended
25. On a cross-country flight, point A is crossed at 1500 hours, and the plan is to reach point B at 1530 hours. Use the following information to determine the indicated airspeed required to reach point B on schedule.

Distance between A and B.....70 NM
Forecast wind.....310° at 15 kts
Pressure altitude.....8000 ft
Ambient temperature.....-10°C
True course.....270°

The required indicated airspeed would be approximately

- A. 126 knots
- B. 137 knots
- C. 152 knots

26. (Refer to figure 2.) An aircraft operated at an airspeed indicated by point B represents?

- A. The most fuel efficient airspeed
- B. The minimum controllable airspeed
- C. The minimum total drag airspeed

27. The standard weight for gasoline is?

- A. 6.8 lb/US gal
- B. 6.0 lb/US gal
- C. 8.35 lb/US gal

(Questions 28 through 32 reference AIM)

28. (Refer to figure 4.) Where does Class E airspace begin over McCampbell Airport (area 1)?

- A. Surface
- B. 717 feet AGL
- C. 1,217 feet MSL

29. (Refer to figure 4.) While on a flight from Alice Airport (area 7) to McCampbell Airport (area 1) at 5,500 feet MSL, when, if ever, is a transponder required?

- A. Transponder is not required
- B. Required when overflying the Corpus Christi Class C Airspace
- C. Required when leaving and entering the alert areas and overflying the Corpus Christi Class C airspace

30. How does the wake turbulence vortex circulate around each wingtip?

- A. Inward, upward and around each tip
- B. Inward, upward and counterclockwise
- C. Outward, upward and around each tip

31. Normally, the vertical limits of Class D airspace extend up to and including how many feet above the surface?

- A. 2,500 feet
- B. 3,000 feet
- C. 4,000 feet

32. Except when requested by the controller or in emergency situations, _____ should never be executed in the traffic pattern or when receiving radar service without first advising the controller.

- A. lowering of flaps
- B. slowing to pattern or approach speed
- C. a 360 degree turn

(Questions 33 through 35 reference AC 00-6A)

33. An unstable air mass is characterized by?

- A. Poor visibility and smooth air
- B. Cumuliform clouds and shower precipitation
- C. Stratiform clouds and continuous precipitation

34. Which is an operational consideration regarding aircraft structural icing?

- A. It is unnecessary for an aircraft to fly through rain or cloud droplets for structural ice to form
- B. Clear ice is most likely to form on an airplane when flying through stratified clouds or light drizzle
- C. In order for structural ice to form, the temperature at the point where moisture strikes the aircraft must be 0°C (32°F) or colder

35. Which condition could be expected if a strong temperature inversion exists near the surface?

- A. Strong, steady downdrafts and an increase in OAT
- B. A wind shear with the possibility of a sudden change of airspeed
- C. An OAT increase or decrease with a constant wind condition

Annual Standardization Exam (Test A) Figures

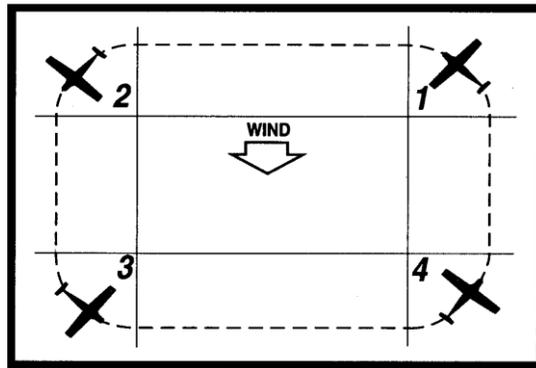


Figure 1 – Rectangular Course

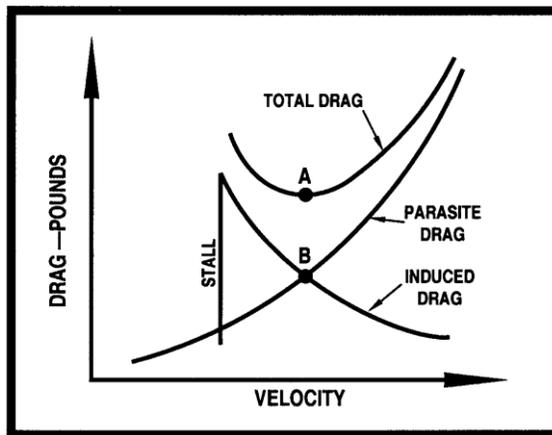


Figure 2 – Drag Chart

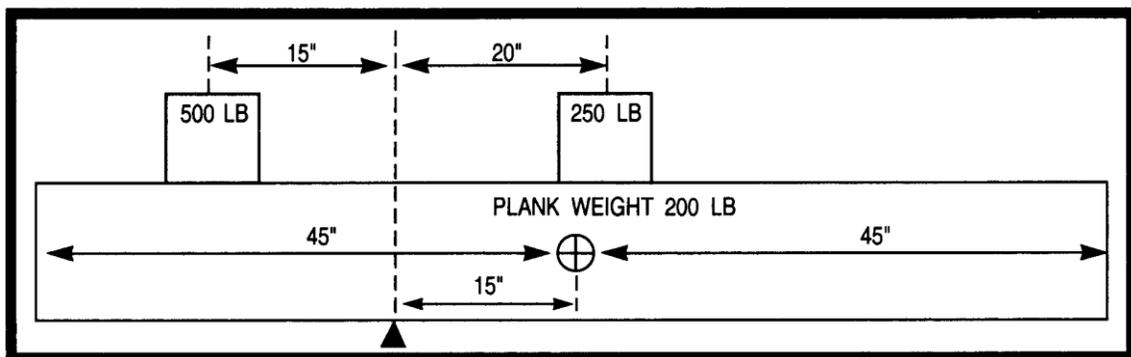


Figure 3 – Weight and Balance Diagram

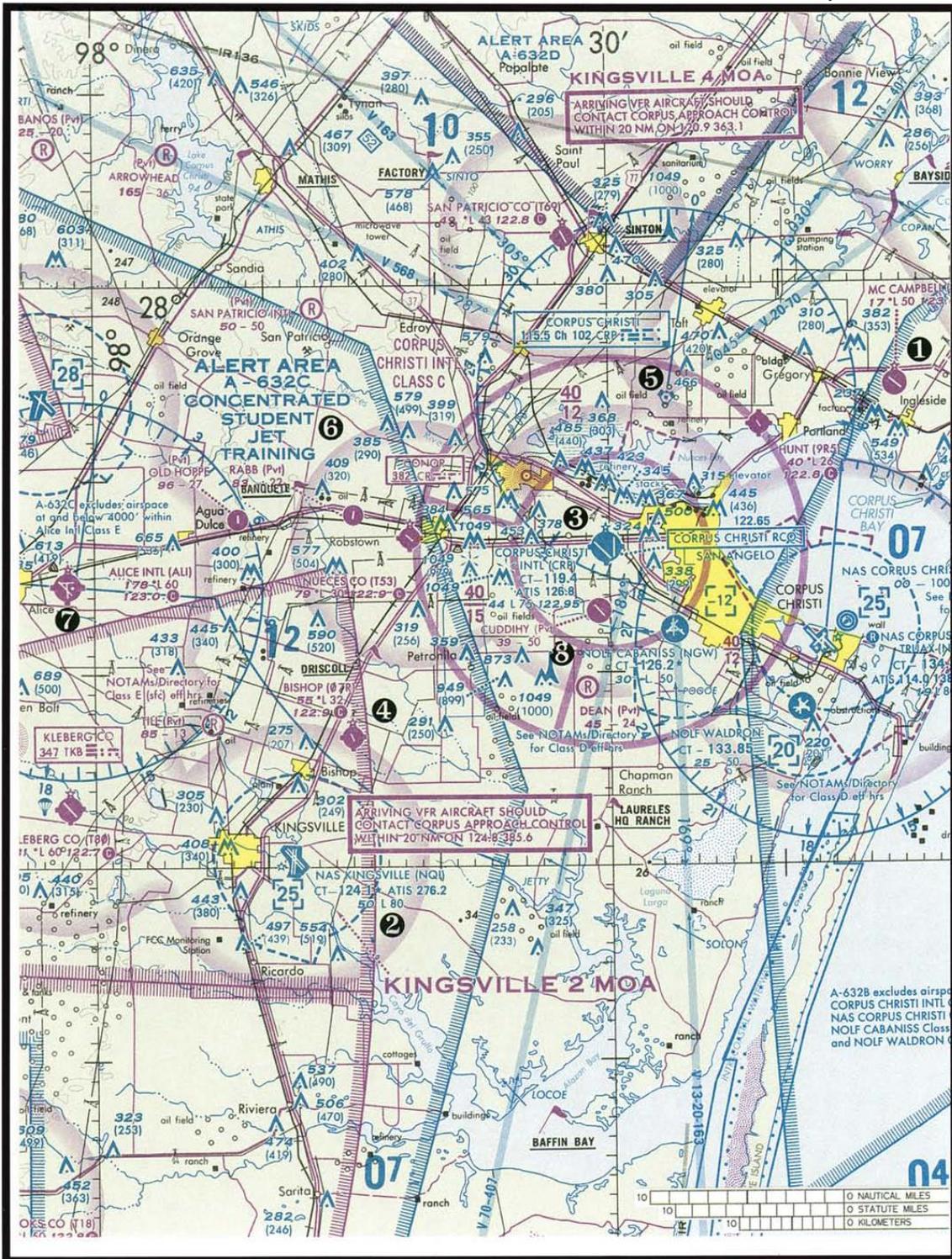


Figure 4 – Sectional Chart Excerpt

**Beale Aero Club Annual Standardization Examination Supplement
Update 2013
(Local Area Questions)**

Questions 36-40 Reference AFI 34-117

1. (4.17.1.1) Weather minimums for day VFR flight in Aero Club aircraft are ___ft ceiling and _____statute miles visibility.
 - a. 1000, 3
 - b. 1000, 5
 - c. 1500, 3

2. (4.17.1.6) Flight under special VFR is limited to pilots with a current instrument rating, in an aircraft certified for instrument flight.
 - a. True
 - b. False

3. (4.17.5.1) Pilots shall file a flight plan for all flights outside the local area.
 - a. True
 - b. False

4. (4.17.6.4/5) Pilots shall not takeoff or land on runways less than__feet long/wide.
 - a. 2000/50
 - b. 2000/75
 - c. The sum of the aircraft takeoff and landing ground roll, if greater than 2000 feet/50
 - d. Both a and c

5. (4.17.12.1) Pilots shall not begin a flight unless there is sufficient fuel to complete the flight to the point of intended landing, fly from that airport to an alternate (if an alternate is required), and then fly after that for at least:
 - a. 30 minutes at maximum endurance cruise consumption
 - b. 45 minutes at normal cruise consumption
 - c. 1 hour at normal cruise consumption
 - d. 1 hour at maximum endurance cruise consumption

Questions 41-46 Reference BAFBI 11-250

6. (5.9) PAVE PAWS CAUTION: Aircraft should avoid flight within _____nm horizontal and _____AGL above PAVE PAWS radar site.
 - a. $\frac{1}{2}$, 2100'
 - b. $\frac{3}{4}$, 6000'
 - c. 1, 2100'
 - d. 1, 6000'

7. (10.4) All Aero Club flights must___to arrive or depart BAFB:
 - a. call Base Ops prior to taxi to obtain a clearance and "squawk"
 - b. file an IFR or VFR flight plan
 - c. activate and close their flight plan with Beale Ground Control on 121.6
 - d. file an appropriate VFR or IFR flight plan via VHF radio prior to taxi

8. (10.5.2) Aircraft shall not taxi outside of the Aero Club (Skyhawk) Ramp:
 - a. without first filing a VFR or IFR flight plan through Rancho Radio
 - b. without verbal approval from the on-duty Supervisor of Flying ("SOF")
 - c. without receiving a "squawk" code from NORCAL
 - d. without clearance from Ground Control

9. (10.5.3.1) For Beale AFB Runway 15 Departures: When mobiles are using Taxiway B, Aero Club aircraft will hold short of the runway while remaining on the south side of Taxiway B.
 - a. True
 - b. False

10. (10.5.3.2) For Beale AFB Runway 33 Departures: Unless directed otherwise by ATC, Aero Club aircraft will taxi to Taxiway C for an intersection takeoff;___of runway available.
 - a. 3262'
 - b. 4500'
 - c. 1462'
 - d. As specified by tower, since U-2 mobile ops may be in progress

11. (10.7) For Beale AFB: Special VFR **departures** are **not** authorized in Aero Club aircraft.
- a. True
 - b. False

Questions 47-48 Reference Beale Aero Club SOP

12. (3.1.5) Flying is not authorized when winds are in excess of__knots, including gust. If the wind gust factor is__knots or over, flying operations will be suspended.
- a. 30
 - b. 20
 - c. 25
 - d. 25
13. (5.1.2) In case of any aircraft accident or incident the following actions will be taken by the pilot-in-command:
- a. Gather as much information as possible and write it down, no matter how trivial it may seem, it could become important during an investigation. Draw sketches; obtain photographs and/or statements from witnesses or involved persons.
 - b. If possible, the pilot-in-command will remain on the scene until authorities arrive and will not give information to unauthorized persons.
 - c. Make sure the aircraft is secured before leaving the site.
 - d. All of the above.

Questions 49-50 reference Marysville (KMYV) Airfield Diagram

14. The CTAF frequency at Marysville is
- a. 122.7
 - b. 118.47
 - c. 125.4
 - d. 123.05

15. Usable runway when landing on runway 23 at Marysville is:
- a. 3281'
 - b. 3790'
 - c. 2772'
 - d. 6006'