

**HQ AFSVA/SVPAR**  
**Annual Certified Flight Instructor (CFI)**

**Exam**

**1 October 2002**

**(Change 1, 27 May 03)**

***(Required passing score: 80%)***

***Please do not mark on booklet***

## Annual Certified Flight Instructor (CFI) Exam Questions (22)

(Questions 1 - 10 reference FAA-H-8083-9, *Aviation Instructor's Handbook*)

1. Which statement is true regarding student evaluation?
  - A. Evaluation of the student's learning should be an integral part of each lesson.
  - B. The student's own evaluations can only be objective.
  - C. If deficiencies or faults not associated with the present lesson are revealed, they should be corrected immediately.
  
2. A written test has validity when it
  - A. samples liberally whatever is being measured.
  - B. yields consistent results.
  - C. measures what it is supposed to measure and nothing else.
  
3. Evaluation of demonstrated ability during flight instruction must be based upon
  - A. the instructor's background and experience relating to student pilots at this stage of training.
  - B. established standards of performance, suitably modified to apply to the student's experience.
  - C. the progress of the student, considering the time and experience attained since beginning training.
  
4. In planning any instructional activity, the first consideration should be to
  - A. establish common ground between the instructor and student.
  - B. identify the blocks of learning which make up the overall objective.
  - C. determine the overall objectives and standards.
  
5. The principle that is based on the emotional reaction of the learner is the principle of
  - A. intensity.
  - B. primacy.
  - C. effect.
  
6. Probably the greatest single barrier to effective communication in the teaching process is a lack of
  - A. a common experience level between instructor and student.
  - B. respect for the instructor.
  - C. personality harmony between instructor and student.

7. Before a student can concentrate on learning, which human needs must be satisfied?
- A. Safety.
  - B. Physical.
  - C. Security.
8. Instructional aids used in the teaching/learning process should be
- A. compatible with the learning outcomes to be achieved.
  - B. self-supporting and require no explanation.
  - C. selected prior to developing and organizing the lesson plan.
9. One desirable result of proper oral quizzing by the instructor is to
- A. fulfill the requirements set forth in the overall objectives of the course.
  - B. reveal the effectiveness of the instructor's training procedures.
  - C. reveal the essential information from which the student can determine progress.
10. During integrated flight instruction, the instructor must be sure the student
- A. is able to control the aircraft for extended periods under IMC.
  - B. can depend on the flight instruments when maneuvering by outside references.
  - C. develops the habit of looking for other traffic.

*(Questions 11 – 12 reference AIM)*

11. How does the wake turbulence vortex circulate around each wingtip?
- A. Inward, upward, and counterclockwise.
  - B. Inward, upward, and around each tip.
  - C. Outward, upward, and around each tip.
12. How long will a Flight Service Station hold a VFR flight plan past the proposed departure time?
- A. 2 hours.
  - B. 1 hour.
  - C. 30 minutes.

(Question 13 references 14 CFR Part 91)

13. The primary purpose of a minimum equipment list (MEL) is to
- A. list the equipment that can be inoperative and still not affect the airworthiness of an aircraft.
  - B. list the minimum equipment that must be installed in all aircraft as required by airworthiness directives.
  - C. provide a list of equipment of equipment that must be operational at all times on the aircraft.

(Question 14 references FAA-H-8083-15, Instrument Flying Handbook)

14. After 240 miles are flown from the departure point, the aircraft's position is located 25 miles off course. If 100 miles remain to be flown, what approximate total correction should be made to converge on the destination?

- A. 21°.
- B. 30°.
- C. 15°.

(Questions 15 - 16 reference PHAK)

15. On which wing planform does the stall begin at the wing root and progress outward toward the wingtip?

- A. Sweepback wing.
- B. Rectangular wing.
- C. Moderate taper wing.

16. (chg 1, 27 May 03) Could 100 pounds of weight be shifted from station 130.0 to station 30.0 without exceeding the forward CG limit?

Total weight..... 2,800 pounds  
CG location..... Station 120.0  
Aft CG location.....Station 117.0

- A. No; the new CG would be located at Station 116.42.
- B. Yes; the new CG would be located at Station 117.89.
- C. No; the new CG would be located at Station 116.89.

(Questions 17 - 18 reference AC 00-6, Aviation Weather)

17. At approximately what altitude above the surface would you expect the base of cumuliform clouds if the surface air temperature is 77°F and the dewpoint is 53°F?

- A. 9,600 feet AGL.
- B. 8,000 feet AGL.
- C. 5,500 feet AGL.

18. Cool air moving over a warm surface is generally characterized by
- A. instability and showers.
  - B. stability, fog, drizzle.
  - C. instability and continuous precipitation.

*(Question 19 references AC 00-45, Aviation Weather Services)*

19. Which statement is true concerning this radar weather report for OKC?

OKC 1934 LN 8TRW / 86/40 164/60 199/115 15W 2425 MT 570 AT 159/65 2 INCH  
HAIL RPRTD THIS ECHO

- A. There are three cells with tops at 11,500, 40,000 and 60,000 feet.
- B. The visibility is 8 miles in rain showers.
- C. The maximum top of cells is 57,000 feet located 65 NM south-southeast of the station.

*(Question 20 references FAA-H-8083-3, Airplane Flying Handbook)*

20. Which best describes pitch and bank during the first 90° of a chandelle?

- A. Constant pitch and bank.
- B. Changing pitch and bank.
- C. Constant bank and changing pitch.

*(Questions 21 - 22 reference AFMAN 34-232)*

21. Which statement best describes the procedures required during supervised student pilot solo flights?

- A. Dual portions shall include three student landings at the airfield where the student will solo. The instructor must be present at the airport during the solo portion of the flight.
- B. Dual portions shall include three student landings and one go-around at the airfield where the student will solo. The instructor must be present at the airport during the solo portion of the flight.
- C. Student only has to demonstrate proficiency; no specific number of landings is required.

22. According to AFMAN 34-232, aero club flight instructors are not responsible for which of the following? **(Note: local aero club policies and FAA regulations may be more restrictive and require this action even though the AFMAN does not).**

- A. Maintaining training folders.
- B. Assisting the Chief Flight Instructor, as required, in developing training and checkout procedures.
- C. Stopping any club pilot from flying when, in the instructor's judgment, flight safety may be compromised.