

# FLIGHT INSTRUCTOR INSTRUMENT (A) PTS — QUICK GUIDE

## MUST DEMONSTRATE:

1. Knowledge of the fundamentals of instructing.
2. Knowledge of the technical subject areas.
3. Knowledge of CFI responsibilities *re* the pilot certification process.
4. Knowledge of CFI responsibilities *re* logbook entries and pilot certificate endorsements.
5. Ability to demonstrate the procedures and maneuvers selected by the examiner to the instrument pilot skill level while giving effective instruction.
6. Competence in teaching the procedures and maneuvers selected by the examiner.
7. Competence in describing, recognizing, analyzing, and correcting common errors simulated by the examiner.
8. Knowledge of the development and effective use of a course of training, a syllabus, and a lesson plan.

## BUST UPON:

1. Failure to perform a procedure or maneuver to the instrument pilot skill level while giving effective flight instruction.
2. Failure to provide an effective instructional explanation while demonstrating a procedure or maneuver (explanation during the demonstration must be clear, concise, technically accurate, and complete with no prompting from the examiner).
3. Any action or lack of action by the applicant which requires corrective intervention by the examiner to maintain safe flight.
4. Failure to use proper and effective visual scanning techniques to clear the area before and while performing maneuvers.

## “SPECIAL EMPHASIS AREAS”

- Ability to teach precise aircraft control.
- Ability to teach sound judgment in aeronautical decision making.
- Ability to teach spatial disorientation.
- Ability to teach wake turbulence and low level wind shear avoidance.
- Ability to teach checklist usage.
- Ability to teach positive exchange of flight controls.
- Ability to teach runway incursion avoidance.
- (CRM must be evident in all tasks as applied to either single pilot or crew operations.)
- (Throughout the test, the applicant is evaluated on the use of an appropriate checklist.)
- (A positive three step process in the exchange of flight controls is strongly recommended.)

## TEST CONTENT OUTLINE

*[Initial]*—This task is only mandatory on tests for an initial CFI certificate, but can be retested on any test.

*[Additional]*—This task might be tested on the initial, but will always be tested on an additional rating test.

1. Explain critique and evaluation [Initial]
2. Describe flight instructor characteristics and responsibilities [Initial]
3. Describe planning instructional activity [Initial]
4. Describe one (or more) of: [Initial]
  - The learning process
  - Human behavior and effective communication
  - The teaching process
  - Teaching methods
5. Describe aircraft flight instruments and navigation equipment
6. Describe logbook entries related to instrument instruction [Initial]
7. Describe one (or more) of:
  - Aeromedical factors [Initial]
  - Regulations and publications related to IFR operations [Additional]
8. Describe one (or more) of:
  - Weather information [Initial]
  - Cross-country flight planning [Additional]
  - Instrument cockpit check [Additional]
9. Present a preflight maneuver lesson on one (or more) of: [Initial]
  - Straight-and-level flight
  - Turns
  - Change of airspeed in straight-and-level and turning flight
  - Constant airspeed climbs and descents
  - Constant rate climbs and descents
  - Timed turns to magnetic compass headings
  - Steep turns
  - Recovery from unusual flight attitudes
  - Intercepting and tracking navigational systems and DME arcs
  - Holding procedures
  - Non-precision instrument approach
  - Precision instrument approach
  - Missed approach
  - Circling approach
  - Landing from a straight-in approach
  - Loss of communications
  - Loss of gyro attitude and heading indicators
  - Engine failure during straight-and-level flight and turns
10. Describe one (or more) of:
  - Air traffic control clearances
  - Compliance with departure, en route, and arrival procedures and clearances

11. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to recovery from unusual flight attitudes [Applicant under the hood]
12. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to one (or more of):
  - Straight-and-level flight
  - Turns
  - Change of airspeed in straight-and-level and turning flight
  - Constant airspeed climbs and descents
  - Constant rate climbs and descents
  - Timed turns to magnetic compass headings
  - Steep turns
13. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to intercepting and tracking navigational systems and DME arcs
14. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to holding procedures
15. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to non-precision instrument approach (partial panel) [Applicant under the hood]
16. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to precision instrument approach
17. Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to two of (combined with above two tasks):
  - Missed approach
  - Circling approach
  - Landing from a straight-in approach
18. One (or more) of:
  - Describe loss of communications
  - Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to loss of gyro attitude and heading indicators
  - Describe, demonstrate and simultaneously explain, and analyze and correct common errors related to engine failure during straight-and-level flight and turns
19. Describe postflight procedures (checking instruments and equipment)