



Flight Techniques Quiz

This quiz is designed to help you focus on the important practical flying procedures during your circuit training.

It will help you have a more productive lesson if you review these questions before you get to the airfield. Ask your instructor for guidance if you don't know the answers. Your instructor will expect you to know the answers to these questions before going solo as they are fundamental to safe flying.

The day before the flight

1. Review the separate document titled **Student's Flight Lesson Preparation Checklist** before you arrive at the airfield.
2. Also review this document the day before the flight to get you thinking about the flight.

Checklists

3. Which checklists are read out?
4. Which checklists are done from memory?
5. Which checklists are done in the air by reading them from the printed sheet?
6. What is the purpose of the "Before External Inspection Checklist"?

Take-off

7. What is the purpose of the take-off briefing?
8. What is the purpose of the take-off decision point?
9. What constitute obstacles on take-off?
10. Where will you set the controls during take-off if there is a strong crosswind from the left?
11. Will the wind speed increase after take-off or decrease?

12. What is the most important thing to monitor once the aircraft leaves the ground?
13. When should you do the after take-off checklist?
14. What are the vital engine instruments to check when doing the after take-off checklist?
15. When can you make a turn onto crosswind after take-off?
16. When can you make a turn in the opposite direction to the circuit after take-off?

In the circuit

17. What parts of the circuit are used to climb to circuit height?
18. What should you do when approaching the circuit height after take-off?
19. "What's next?" after turning downwind?
20. What do you have to monitor during downwind?
21. What radio calls are made in the circuit if there is another aircraft also in the circuit?
22. What you have to do before lowering the first stage of flaps?
23. When can you turn base?



24. What do you need to do on base leg if there is a very strong wind blowing down the runway?

25. What is the minimum height that you have to be lined up with the runway?

On final approach

26. What are the two techniques used to fly the approach in a strong crosswind?

27. What does the term “stabilized approach” mean?

28. What do you have to rehearse during the approach?

29. What should you do if you find you are too high on approach?

30. What should you do if you find you are too high on approach with full flap extended?

31. What should you do if you find yourself too low on approach with full flap extended?

32. What are the hazards associated with slide slipping an aircraft on final?

33. Does the flight manual of your aircraft state that the aircraft can be side slipped with full flap?

34. Where should you aim to touch down on the runway based on your approach?

35. What is the correct approach speed for your aircraft at maximum all up weight?

36. How will the approach speed change if your aircraft is lightly loaded?

37. At what point should you shift your focus from the landing point to the end of the runway?

Touchdown

38. At what speed should the aircraft touchdown?

39. Where should the nose of the aircraft be on touchdown?

40. As you touch down, where should the controls be if there is a strong crosswind from the right?

41. Where should the controls be during the landing roll if there is a strong crosswind from the left?

Go Around

42. What are the two vital actions to go around?

43. What attitude should the aircraft be placed when going around?

44. At what stage should you retract the second stage of flap during go around?

45. What will happen after you raise the second stage of flap during the go around?

46. What checks do you need to do and when after go around?

Crosswind landing

47. What are the two options for tracking the centreline of the runway when on final?

48. What is the crosswind likely to do at about 10' above the runway surface?

49. Where should the flight controls be at the point of touchdown?



50. Which main wheel should touch down first if there is a strong crosswind?
51. What will happen to the aircraft if it touches down while not aligned with the runway centreline?

Emergency Situations

52. What should you rehearse immediately before you open the throttle to take-off?
53. What are your actions if the engine fails at 10' after take-off?
54. What are immediate your actions if the engine fails at 300'? Remember that your memory may not be very good when faced with a landing in the swamp. You need a flow pattern in the cockpit that will instantly spring to mind when you get over the shock of the engine failing.
55. What are the main hazards if the engine fails and you attempt to return to the airfield?
56. What is the safest option if the engine fails at 300'?
57. What are your options if the engine fails at 50' after taking off from runway 10 Heck Field?
58. What will you do if you smell a strong burning smell at 300' after take-off?
59. How do you activate the emergency beacon?
60. Can you reach the emergency beacon when strapped into the seat?