

Annex 5: Technical test

Use aircraft AFM/POH and the aircraft individual's weight&balance.

Aircraft:..... Callsign:.....
Name:..... License no:
Number of correct questions:..... Approved: YES/NO (min 75% right)
Corrected by:..... Date:.....

Generally:

1. Wingspan: :... ..
2. Va manouvring speed: :... ..
3. Vfe Max speed with flap/air brake extended (take off/landing): :... ..
4. Vne never exceed fart: :... ..
5. Name of the engine: :... ..
6. Max take off power: :... ..
7. Max continuous power: :... ..
8. Max rpm: :... ..
9. Max take off mass: :... ..
10. Maximum landing mass: :... ..
11. Is spin allowed: :... ..
12. Max G-load (+-) at max weight:... ..
13. Is the aircraft allowed for night, IFR, flight in ice :... ..
14. Maximum fuel quantity: :... ..
15. Max usable fuel: :... ..
16. How many fuel tanks are there: :... ..
17. How can fuel be moved between tanks: :... ..
:..... :.....
18. What types of fuel may be used: :... ..

Emergency procedurer

- 19. Best glide speed at max weight: :... ..

- 20. Emergency checklist for engine failure in the air: :... ..
:..... :.....
:..... :.....
:..... :.....

- 21. Emergency checklist for power off emergency landing: :... ..
.....
:..... :.....
:..... :.....
:..... :.....

- 22. Actions to the recover from spin: :... ..
:..... :.....
:..... :.....

Normal procedures

- 23. How many fuel drainage points are there:... ..

- 24. Where is the static intake:... ..

- 25. Where is the pitot intake:... ..

- 26. How do you check the stall warning:... ..

- 27. Oil pressure after engine start – within what time must it turn green: :... ..

- 28. What RPM is used for warming up cold engine: :... ..
:..... :.....

- 29. How do you do engine check before take off: :... ..
:..... :.....
:..... :.....

- 30. Speed for rotate Vr:... ..

- 31. Speed for best climb Vy:... ..

- 32. Speed of final with max flap Vref:... ..

Abnormal procedures

- 33. Action at high oil temperature: :... ..
:..... :.....
:..... :.....
- 34. Action in case of failure of alternator/generator:... ..
:..... :.....
:..... :.....
- 35. Speeds and flaps for take off short field:... ..
:..... :.....
:..... :.....

Performance

- 36. Stall speed at max mass without flap / max flap:... ..
- 37. Max crosswind:... ..
- 38. Take off distance to 50ft with max mass, +25C, 1000 ft altitude, short grass field
:..... :.....
- 39. TAS/RPM/manifold pressure/Fuel consumption with 65%power at 5000 ft with ISA
atmosphere:... ..
- 40. Landing distance from 50ft with max mass, +25C, 1000 ft height, short grassfield taking
into account flying club regulations
:..... :.....
- 41. Max payload:... ..
- 42. Mass of fuel at full tanks:... ..
- 43. Max luggage:... ..
- 44. Max pilot+passenger weight with maximum fuel and luggage:...
.....
- 45. Centre of gravity position at maximum fuel, maximum luggage and 180 kg persons in front
seats
:..... :.....

Aircraft

- 46. How can you in emergency open hood /door: :... ..
:..... :.....
- 47. Where is the carburetor heat:... ..
- 48. Where are fuel pressure gauges:... ..
- 49. How can you check the amount of fuel except with the meters:
:.....
.....
- 50. Where is the fire extinguisher:... ..
- 51. How do you see if the fuel pressure is falling and what should you do? :
.....
.....
:.....
- 52. Where is warning display:... ..
- 53. How to lock controls when parking outdoors:... ..
- 54. Where to attach ground when refueling:... ..

Equipment

- 55. How to activate autopilot:... ..
- 56. What different ways are there to disconnect the autopilot :...
:.....
- 57. How do you start avionics (COM, GPS, VOR, etc)) :...
:.....
- 58. How do you start and check the GPS:... ..
:.....