



Questions of Pilot Operating Handbook

Name _____

Date _____

Type of a/c _____

Reg. _____

Instructor signature _____

Make answers into following question by using proper aircraft manual and performance tables.
If some question is not relevant leave plangent.

1. What is lift off speed? _____
2. What is best rate of climb speed? _____
3. What is best angle of climb speed? _____
4. What is cruise climb speed? _____
5. What is max. flaps extension speed and max fully extended speed? _____
6. What is maximum gear down/gear up / manual extension speed? _____
7. What is stall speed in landing configuration V_0 ? _____
8. What is stall speed with 0 flaps? _____
9. What is threshold speed flaps in full landing configuration? _____
10. What is V_a ? _____
11. What is maximum speed (V_{NE})? _____
12. What is best gliding speed both engines inoperative? _____
13. What is definition of white arc of speed indicator? _____
14. What speed is in the beginning of green arc? _____
15. What type of engine is and what is rated power? _____
16. What is TAS at 5000 ft with 65% power with MTOW? _____
17. What is corresponding IAS in previous question? _____
18. What RPM and manifold pressure with 65% power at 2000ft? _____
19. What is fuel consumption/h in conditions of question 16? _____
20. What is fuel consumption/nm? _____
21. We expect fuel consumption of old aircraft is 10% more than new one. What is fuel flow in
22. that case? _____
23. What is MAX. fuel amount / usable fuel amount? _____
24. How much fuel can be carried? Every seat of aircraft is occupied by normal adult 75 kg.

25. How many normal weighting adult (75 kg) can be on board if tanks are full?

26. Fill up weight and balance sheet in question 24 conditions. _____
27. What is maximum endurance in question 16 conditions? (reserv. 45 min)



28. How you drain fuel samples? _____
29. What is minimum oil amount? _____
30. What is max crosswind component in landing/take off? _____
31. What is maximum load of baggage compartment? _____
32. What is TORR and TODR when field elevation is 500ft and temperature 5c? (Flaps 0 deg normal take off) _____
33. What is TODR with safety margins? _____
34. What is LDR in previous conditions? _____
35. How long runway you need previous conditions? _____
36. What is normal landing configuration to achieve performance of question 33?

37. What category aircraft belongs? _____
38. What kind flight rules can be used with this aircraft?

39. List required documents you need to ensure aircraft is airworthiness for flight :

40. Aircraft landing gear is? Manual/ electric / hydraulic. What is emergency gear down method?

41. What is engine run up RPM? _____
42. What is max. drop in RPM in magneto test? _____
43. What is max. difference between magneto's RPM in magneto test? _____
44. What is warm up RPM? _____
45. When you can lean mixture?

46. What kind of maneuvering are allowed?



47. What you do if engine failures in 50 ft:n in take off?

48. What you do if engine failures in cross country flight?

49. What you do in case of engine fire?
