Questions of Pilot operating Handbook / Aircraft Flight Manual

Name:		Date:		
Type of aircraft:		Registration:		
Inst	tructor signature:			
Sea	arch answers for following questions by using proper a	ircraft manual and pe	erformance	
tabl	les. If some question is irrelevant or the answer can no	t be found from the F	POH,	
leav	ve it blank.			
1.	What is the lift off speed?			
2.	What is the best rate of climb speed?			
3.	What is the best angle of climb speed?			
4.	What is the cruise climb speed?			
5.	What is the max speed for flap extension and for flap	os fully extended?		
6.	What is the maximum gear down / gear up / manual	extension speed?		
7.	What is the stall speed in landing configuration?			
8.	What is the stall speed with 0 flaps?			
9.	What is the threshold speed with full flaps?			
10.	What is the V_A ?			
11.	What is the V_{NE} ?			
12.	What is the best gliding speed with inoperative engin	ne?		
13.	What is the definition of the white arc on the airspee	d indicator?		
14.	At what speed does the green arc begin?			
15.	What type of an engine does the a/c have and what is	s its rated power?		
16.	What is TAS at 5000 ft with 65% power with MTON	M?		
17.	What is the corresponding IAS in previous question?	?		
18.	What RPM (or RPM / manifold pressure) gives 65%	power at 2000ft?		
19.	What is fuel comsumption in one hour in conditions	of question 16?		
20.	What is fuel comsumption per nm in conditions of q	uestion 16?		
21.	Expecting the fuel consumption of an old aircraft to	be 10% more than		
	a new one. What is the fuel consumption (other cond	ditions as in q. 16)?		
22.	What is the maximum fuel amount and the maximum	n usable fuel?		
23.	How much fuel can be carried if every seat of aircraft	ft is occupied by		
	a normal adult weighing 75 kg?			
24	How many adults (75 kg) can be on board if tanks ar	e full?		

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25.			ation of centre of			•	zion 23.	
26.	(reserve 45 min)							
27.	How do	you drain	fuel samples?					
28.	What is	the minim	um oil amount?)				
29.						<u>;</u> ?		
30.								
31.	What is the TORR and the TODR when field elevation is 500ft and							
	tempera	ture +5°C′	? Flaps T/O, M	ГОМ, paved	l runway.			
32.	What is	the TODR	R with safety ma	argins?				
33.	What is	LDR in co	onditions layed	out in quest	ion 31?			
34.	How lor	ng runway	do you need for	r question 3	3's landin	g taking ir	nto	
	account	the safety	margin?					
35.	What is	normal lar	nding configura	tion to achie	eve perfor	mance		
	of quest	ion 33?						
36.	What ca	tegory doe	es the aircraft be	elong into?				
37.	7. Aircraft has been certified to be operated under the following flight rules:							
38.	List the	required d	ocuments you n	need to ensu	re aircraft	t's airworth	niness for	flight:
39.	While c	hecking th	e documents of	question 38	3 you noti	ce followi	ng remark	ks on aircraft's
	While checking the documents of question 38 you notice following remarks on aircraft's Hold Item List. No repair actions have been taken. What do they mean in practice?							
	Defect found Defect		Shall be repaired not	I	Established by	Į.		
	Date	Flight time	100 4 1 11/0	later than	Date	Signature	Approval	
	5,6,2011	33:15	LDG-light U/S	- + IED In. 1.	5,6,2011	J.Salonie	Fl. 145,0015	
	29.6.2011	<i>56:48</i>	Stand-by horizon U/S	next IFR flight	30,6,2011	S. Sammal	11,145,0075	1

40.	Landing gear is fixed / retractable (manually / electrically / hydraulically operated). If fitted with retractable landing gear what is the back-up system for gear extension?				
41.	What is the RPM for engine run up? What is the maximum drop in RPM in magneto test? What is the maximum difference in RPM between magnetos?				
42.	What is warm up RPM?				
43.	When you can lean the mixture?				
44.	What kind of maneuvering is allowed?				
45.	What do you do if engine fails at 50ft AGL after take off?				
46.	What do you do if engine fails during a cross country flight?				
47.	What do you do in case of engine fire?				