RFC Dallas, Inc.

AIRCRAFT QUESTIONNAIRE (03/11/2024) "A Safe Pilot Knows His Equipment"

NAME:		Date:	
Aircraft:	Bonanza Registration Number: N3077U	Serial Number: CE-1085	
and prod this que flight by by a Clu	cedures. No attempt has been made to cover i stionnaire will provide a review of the basic inf a Club Checkout Instructor. This questionnain	their understanding of the airplane and its specific systems in depth all the information contained in the POH/AFM but formation a pilot should know prior to being certified for solo e along with the ground and flight instruction you will receive POH/AFM will enable you to maintain a high degree of	
response this revi	e. Upon completion, contact a Club Checkout	lete each question by providing the most appropriate Instructor to schedule a review of your responses. Following responses) in the red folder in the club lockbox and notify the	
1)	What is the Maximum Ramp Weight for this a	aircraft?	
2)	What is the Maximum Gross Take-Off Weight	(MGTOW) for this aircraft?	
3)	The Empty Weight of this aircraft is:	(lbs). Empty Weight CG is:	
4)	The Forward C.G. limit at gross weight is	Aft C.G. limit is	
5)	This aircraft is certified in the	category.	
6)	What type of fuel does this engine require? _	.	
7)	Each "Main" fuel tank holds total gall	ons, gallons usable.	
	a. If a tank is filled to the <u>bottom</u> of the <u>slot</u> on the tab, it has usable	e tab, it has usable gallons. If a tank is filled to the gallons.	
8)	This aircraft has fuel drains.		
9)	Where is the low point drain?	.	
10)	Minimum fuel in each Main tank for takeoff is	s gallons.	
11)	The auxiliary fuel pump is (mechanical / a		
12)	The engine horsepower is @2	700 RPM.	
13)	The engine holds a maximum of quar	ts of oil. Add oil when the level is below quarts.	

14) On takeoff, use deg of trim when c both front and back seats are occupied.	only the front seats a	re occupied. Use	deg of trim when
15) After takeoff, raise the gear when			·
16) If the door should open on takeoff: a b c			
17) Calculate the following at <u>7,000'</u> with <u>45 m</u> RPM MP	inutes reserve on a <u>s</u> GPH	standard day: TAS KTS	RANGE NM
75%			
55%			
18) Is "Lean Of Peak" operation approved for the	his aircraft? (Yes	/ No)	
19) Emergency descent procedure is:			
a)	b)		
c)	d)		
20) To recover from a spin:			
a)	b)		
c)	d)		
21) To manually extend the landing gear:			
a)	b)		
c)	d)		
e)	f)		
g)			
22) On a 100°F day with no wind, what is the d 4,000' pressure elevation?		clear a 50-foot ob	stacle at gross weight and
23) To achieve the charted performance in the (Care must be taken if maximum climb performance is			
24) What is the Maximum Cylinder Head Temp Maximum? C.	erature?	C. What is the Cl	ub's recommended
25) While performing the "Before Takeoff Checketsting the propeller control, the recomme			is When

26)	During cold weather, exercise the propeller	times before takeoff.
27)	Indicate airspeeds in KTS:	
	VA	VNO
	VFE (Approach)	VS
	VLO	VSO
	VNE	VX
	Best Glide	VY
	Balked Landing	Maximum Demonstrated Crosswind
28)	What is the "slip limitation" in this aircraft?	·
29)	From 8,000 AGL, approximately how far can the air	craft glide (no wind)?
30)	What is the Maximum Glide Configuration in this ai	rcraft?
	a)	b)
	c)	d)
	e)	
31)	At gross weight with gear and flaps retracted and ze stalling speed?	ero angle of bank, what is the power off
32)	In a 45° bank with gear and flaps retracted, what is	the power off stalling speed?
33)	Is this aircraft approved for flight in known icing con	nditions? (Yes / No)
34)	On final approach, check:	
	a)	b)
	c)	d)
35)	On a go round, apply power and raise (gear /	flaps) first.
36)	After landing, when are the flaps raised?	
37)	In the event of a propeller over speed, what action	should you take?
	a)	b)
	c)	
38)	Can the landing gear be raised with the hand crank	? (Yes / No)
39)	The gear warning horn will sound when the gear is	up and

40)	made (True / False).
41)	To avoid thermal stress in the engine, avoid descents.
42)	As you descend, manifold pressure will (increase / decrease).
43)	Except in extremely low temperatures, the cowl flaps should be (open / closed) during: a) b)
	c)
44)	The external power receptacle is located on The voltage on the Auxiliary Power Unit should be set to (14 / 28) volts.
45)	What position is the Battery Switch prior to connecting the Auxiliary Power Unit? (Off / On)
46)	The landing gear is operated by (electric / hydraulic) power.
47)	The three GREEN landing gear lights indicate
48)	The RED landing gear light illuminates when
49)	All gear lights out occurs when
50)	This aircraft (is / is not) certified for aerobatics.
51)	Can the ELT be activated from the cockpit? (Yes / No)
52)	The Attitude Indicator is (pressure / electrically) powered.
53)	The Turn Coordinator is (pressure / electrically) powered.
54)	This aircraft is equipped with a backup Alternator (Standby Generator)? (Yes / No)
55)	This aircraft is equipped with a backup Pressure System? (Yes / No)
56)	The HSI is (pressure / electrically) powered.
57)	The autopilot in this aircraft has an "Altitude Hold" mode? (Yes / No)
58)	Is this aircraft equipped with a Flight Director? (Yes / No)
59)	Is this aircraft equipped with an "alternate static air source"? (Yes / No) a. If Yes, where is it located?
60)	How may an alternator problem be recognized by the pilot? a) b)
	If installed, how can a voltage meter be used to indicate an electrical/alternator problem?
	c)
61)	Can this aircraft depart with an inoperative alternator? (Yes / No)

62)	There are exits (normal + emergency). Name them:	
63)	When turning the StandBy Generator to the "ON" position, the BUS Voltage will showVolts.	
64)	To properly activate the Standby Generator, the pilot must: a. Move the switch to the "ON" position b. Move the switch to the "STANDBY" position c. Move the switch to the "RESET" position and then release it so it goes to the "ON" position	
65)	If properly activated in "stand by mode", the BUS Voltage will show volts.	
66)	The StandBy Generator (circle all that apply): a. Will run all systems normally b. Will run only items on the "stand by bus" c. Will charge the battery like the normal alternator d. Will require the landing gear to be extended manually e. Has a use limitation of 60 minutes	
67)	The StandBy <u>Pressure Pump</u> should be turned on and run for 2 to 3 minutes after each daily engine start to keep it properly lubricated? (Yes / No)	
CLIMAT	E CONTROL SYSTEM (i.e. A/C & Heating System; "Climate System")	
68)	Where can official information about the Climate System be obtained: a. Contact Beech Aircraft b. Contact the Club's Maintenance Officer c. Read the Airplane Flight Manual Supplement	
69)	When the OFF Mode is selected on the Climate System, how long should the pilot wait before turning of the Battery Master Switch? Why?	
	If the Climate System is ON during takeoff, how does this change the following performance numbers from the POH: a. Ground Roll: b. Takeoff Distance (over a 50' obstacle): c. Rate of Climb: (Increase / Decrease) (Increase / Decrease) (Increase / Decrease) If a MAXIMUM climb performance is required, the Compressor should be switched to the: a. (Neutral / Off / Takeoff) position?	
72)	To maximize the Cooling of the Climate System the <u>outside air vents and cabin firewall shut off valve</u> should be (Open / Closed)?	
73)	If using the <u>heating or defog operation</u> of the Climate System, the cabin heat shutoff valve should be set to the (Open-Pushed-In / Closed-Pulled-Out) position?	
74)	How often does the Aircraft Registration on this aircraft expire?	
75)	According to FAR Part 91, the is responsible for determining whether the aircraft is safe and airworthy for flight.	
Reviewed	by: Date: (Authorized Club Checkout Instructor)	