PILO	Γ	
INSTE	RUCTOR	
DATE		
Cessna	a T210N Initial Quiz Tail: N9843Y	
1.	Date of current aircraft weight and balance compu	ntations
2.	Aircraft empty weight:	lbs.
3.	Maximum normal category takeoff gross weight: Maximum landing gross weight:	lbs. lbs.
4.	Maximum baggage forward of wheel well:  Maximum baggage on and aft of wheel well:	
5.	Full fuel usable quantity:  Usable fuel quantity at fuel filler tab:	gal. gal.
6.	Maximum passenger and baggage weight with ful Maximum passenger and baggage weight at fuel f	
7.	If the aircraft is flown with only two persons in the combined weight of the two persons? pour	
8.	Tire pressures are psi for the nose tire and	for the main tires.
9.	Minimum oil quantity is qts. System oil cap For local flights, oil would not be added above	
10.	The maximum fuel pressure/flow is: PSI PPH GPH	
11.	What is the maximum MP for cruise at an altitude	of 20,000'?
12.	What device controls the amount of exhaust going	g through the turbocharger?
13.	How many fuel pumps are included in the fuel sys	stem?
14.	Under what conditions is the "start" fuel pump sw 1	

	The electrical system characteristics include:
	voltage
	number of alternators
	number of alternator field switch(s) number of battery(s)
	number of battery(s) capacity of alternator(s)
	number of avionics switch(s)
	number of electrical system related warning lights
-	The vacuum system contains pump(s).
	The wing de-ice system runs from the (select best answer):
	a only vacuum pump
	o left vacuum pump
	z right vacuum pump
	l turbocharger heated exhaust
6	e right alternator
1	How many fuel system drains should be sampled during preflight?
1	Where are these fuel system drains located?
-	The PIC must wear an Oxygen mask rather than a cannula at what altitude?
	What is the duration of the oxygen system, if full at takeoff, for a pilot and three passengers earlising masks? hours
1	Where is the O2 filler port?
1	List the subsystems that must be fully operational for Flight Into Known Icing:
	2.
3	3.
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4	5
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8	3
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1	n what level of icing is flight prohibited even with the approved equipment?
•	

	flight, the Pitot Heat Switch is turn on for what time: seconds.
During Pre	flight, the Fuel Tank Vents are checked. Where are they?
What actio	n is taken with respect to the tail tie-down during preflight?
How is the	engine primed for starting?
	engine printed for surving.
2.	
3.	
4.	
	ne start, how should the mixture should be set?
Switch?	Before Takeoff test of the boots, what should be observed after pressing the De-ici
2	
3	
<i>Δ</i>	
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What oil te	mperature must be obtained before engine run-up is commenced?°F
	mum cylinder head temperature must be obtained on all cylinders before takeoff is d?°F
What is the	e normal takeoff flap range?
crossing th	aft will takeoff into potential icing conditions, what switches are turned on when e hold short line?
2.	
4	
	and short-field takeoff, what should be the time during which the throttle is being between 50% power and takeoff power? seconds.
	and short-field takeoff, what are the target values for:
	"
MP:	
MP:	

For a maximu MP:	m performance climb, what are the target values for:	
RPM:	rpm	
Fuel Flow:	pph	
Airspeed:	ppii KIAS	
mspeed.		
For normal climb, what are the target values for:		
MP:	,, 	
RPM:	rpm	
Fuel Flow:	pph	
Airspeed:	KIAS (to traffic pattern altitude)	
Airspeed:	KIAS (enroute climb)	
What are the KIAS values for the following V-speeds:		
Vs0	das values for the following v-speeds.	
Vs	<del></del>	
Rotation	<del></del>	
Vx		
Best glide	(use max gross weight)	
Vy	(use man gross weight)	
Vfe (<= 20°)		
Vfe (<= 30°)		
Vle		
Vlo		
Va	(at maximum gross weight)	
Va	(at 2700 pounds)	
Vno		
Vne		
Landing	Final approach speed for normal landing (at max landing we	
Landing	Final approach speed for short field landing (at max landing	
weight)		

46.	During cruise at 12,000' on a standard day at 75% BHP, the pilot should set and expect:  MP RPM KTAS KIAS PPH GPH
47.	What is the maximum continuous BHP that should be used at BEFA for cruise? % BPH.
48.	During cruise, the engine should be leaned to°F [rich of peak / lean of peak] on the [first cylinder to peak / last cylinder to peak].
49.	During cruise, the TIT should not exceed what temperature?°F.
50.	During cruise, the target range for CHT is°F to°F.
51.	During descent, the maximum rate at which the MP may be reduced is"MP per minutes, and the maximum rate of Cylinder Head Temperature cooling is °F per minute.
52.	What adjustments to the mixture should be made during descent from the cruise configuration?
53.	After landing, what is the required turbocharger cool down period before engine shutdown? minutes
54.	What are two autopilot limitations specified in the autopilot AFM supplement?  1.
	2
55.	The maximum airspeed during autopilot operations is KIAS, which is reduced by KTS every 3,000' above FL 180.
56.	The maximum flap deflection with the autopilot engaged is°.
57.	The maximum speed for Flap and Gear operations with the autopilot engaged in Altitude Hold Mode or Coupled Approach Modes is KIAS.
58.	What are three ways that the autopilot may be disengaged?  1
	2
59.	What is the ground roll distance and the total distance required to clear a 50 foot obstacle on takeoff for the following conditions using the POH numbers: Runway 9; Pressure altitude 4000 feet; temperature 30°C; Wind 090 (magnetic) at 10 knots; maximum gross weight; hard runway?

60.	What is the ground roll distance and distance required to clear a 50 foot obstacle when landing for the following conditions using the POH numbers: Runway 9; Pressure altitude 4000 feet; temperature 30°C; Wind 090 (magnetic) at 10 knots; maximum gross weight; hard runway?  ground roll to clear 50 foot obstacle
61.	To act as PIC in the T210N, a BEFA member must complete a checkride with a BEFA CFI or have hours and Landings within days in this aircraft.
62.	Which Commercial/CFI maneuvers should not be practiced in the airplane?  1
	2
63.	List the initial "Memory" checklist items contain in the following emergency procedures:
	A. Engine Failure During Takeoff Roll  1
	2.
	B. Engine Failure Immediately After Takeoff  1.
	2.
	C. Engine Failure Flight (RESTART)  1.
	2
	<ul><li>J</li></ul>
	2.
	E. Engine Fire In Flight  1
	2.
	F. Electrical Fire In Flight  1
	2.
	3
	4
	5
	G. Cabin Fire
	1
	2

(	On the Garmin 340 Audio Panel, what knob and position controls the passenger intercom vo
	On the GNS 480 MAP1, MAP2, and MAP3 pages, what is the only thing that should be adjudy BEFA members?
	On the GNS 480 MAP1, MAP2, and MAP3 pages, what control is used to make the adjustmereferenced in the previous question?
(	On the GNS 480, what is the first button to be pressed in order to define a hold?
(	On the GNS 480, the GPS will load an arrival or approach only at what airport(s)?
	What are the following abbreviations?  GPSS:
	WAAS:
	On the JPI Engine Monitor, what will be the first action required by the PIC after engine star
(	On the JPI Engine Monitor, what is the significance of a flashing data value?
(	On the SL30 NAV/COM, what button must be pushed to initiate each of the following funct
]	1. Enter a COM frequency:
	2. Enter a NAV frequency:  3. Identify a VOR:
	4. Display the VOR bearing/radial
(	On the 330 Transponder, identify three timer functions:
	1
	2

76.	Traffic identified by the Traffic Information System will be displayed on what avionics?
	2.
77.	Identify several conditions when the Traffic Information System may be unable to display traffic that might be a collision/safety hazard:
	1
	3