PILO)T			
INST	TRUCTOR			
DAT	E			
Cessi	na 172N (D2J Upgrade)	6-Month Quiz	Tail: 737WS	
1.	Date of current aircraft weigh	nt and balance comp	outations	
2.	Aircraft empty weight:		lbs.	
3.	Maximum normal category to Normal category Useful Load			
4.	Maximum utility category tal Utility category Useful Load		lbs. lbs.	
5.	Full fuel usable quantity:		gal.	
6.	Maximum passenger and bag	ggage weight with fo	ull fuel:lbs.	
7.	Tire pressures are psi fo	r the nose tire and _	for the main tires.	
8.	Minimum oil quantity is For local training flights, oil		- · ·	
9.	How many fuel system drains should be sampled during preflight? Where are these fuel system drains located?			
10.	What data applies for engine Gallons Minutes Nautical mile	•	nd climb to 6,000' on a day 10°C above standard?	
11.	Assume cruising at 6000' on RPM KTAS GPH	a standard day at 6'	7% BHP, the POH indicates:	
12.	Assuming takeoff conditions in question 11 and cruise conditions in question 12, with full fuel and maximum passenger and baggage weight at takeoff and allowing 10 gallons in the tanks at landing for reserve, the maximum range of the aircraft with a 20-knot headwind is nautical miles.			
13.	What are the values for the for Vso Vs Vx	ollowing (indicated)	airspeeds?	

	Vy Va (at 2,400 lbs) Vno			
	Vne Takeoff rotate Enroute climb Best glide(at max gross weight)			
	Go around at Flaps°			
14.	What is the maximum airspeed at which Flap 10° can be extended? knots. What is the maximum airspeed at which more than Flap 10° can be extended? knots.			
15.	What is the correct flap position for a Normal Takeoff?° What is the correct flap position for a Short Field Takeoff?° What is the correct flap position for a Soft Field Takeoff?°			
16.	What is the maximum entry speed for performance of a Steep Turn?			
17.	How do you set the barometric pressure on the Aspen Evolution unit?			
18.	How do you set the CRS arrow to a desired direction?			
19.	How do you connect the Aspen unit to the GPS unit?			
20.	How do you set "Auto Course Select" to "ON"? (this takes information from the activated GF flight plan and automatically sets the HSI heading arrow)			
21.	What STC was used to install the O-320-D2J?			
22.	Where do you find the updated CG range with the D2J engine installed?			
23.	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 270 at 6 knots; maximum gross weight; hard runway?ground roll to clear 50 foot obstacle			
24.	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; grass; Pressure altitude 2000 feet; temperature 20 C; Wind 090 at 9 knots; maximum gross weight? ground roll to clear 50 foot obstacle			

25.	In order to develop full power when above 3000 feet MSL, the mixture should be adjusted to "recommended lean". What temperature on the EGT represents this mixture?			