141 Tailwheel Program Written Exam

FAA-H-8083-3

1.	of the airplane's
2.	When taxiing in a quartering headwind, the wing on the upwind side will usually tend to be
	lifted by the wind unless aileron control is
3.	If a significant crosswind exists, the main wheels should be than
	in a normal takeoff so that a smooth but definite lift-off can be made.
4.	The roundout and touchdown should be timed so that theand
	touch down simultaneously (three-point landing).
5.	Loss of may lead to an aggravated, uncontrolled, tight turn on the
	ground, or a ground loop.
6.	The weathervaning tendency is more prevalent in the tailwheel-type aircraft because the
	airplane's surface area behind the is greater than in a
	nosewheel-type airplane.
Cor	mpleat Taildragger
7.	is the inherent quality of an aircraft to correct for conditions that may
	disturb its equilibrium and return to, or continue on the original flight path.
8	Tailwheel aircraft are stable / unstable in the longitudinal axis?
9.	Tricycle aircraft have the center of gravitythe main landing gear.
	The Momentum Vector is defined as times
11.	is an opposite reaction to propellor rotation that tends to rotate the
	aircraft about the longitudinal axis.
12.	P-factor is caused by the descending blade being at a higher AOA than the ascending blade and
	is most pronounced when the relative wind is not aligned with the
13.	A force applied to a spinning gyro is appliedof the plane of rotation.
14.	Complete the following description of what occurs after touchdown during a bounce or jounce.
	As the aircraft touches down with excessive, the CG is
	located behind the, this causes the tail to,
	this increase in pitch attitude increases theof the wing, causing a
	corresponding increase in and the aircraft climbs back into
	the air.
61	
15.	Except as provided in paragraph (e) of this section, no person may act as a pilot in command of
	an aircraft carrying passengers or of an aircraft certificated for more than one pilot flight
	crewmember unless that person has made at least three takeoffs and three landings within the
	preceding 90 days, and—
	(i) The person acted as the sole manipulator of the flight controls; and
	(ii) The required takeoffs and landings were performed in an aircraft of the same category, class,
	and type (if a type rating is required), and if the aircraft to be flown is an airclane with a

with .	been made to ain an air plane
SPP	
15. Maximum sustained wind for tailwheel training	kts Maximum crosswind component
is kts	5 iskts. Waximan crosswiid component
16. Minimum runway required following a stop an	d go landing is
17. Minimum runway length for a wheeled landing	
18. PIC will ensure tanks are filled to minimum req	
10. The will ensure talks are filled to fill little for	and for highe plas Epix required reserve or
19. Dual VFR weather minimums are:	
a. VIS: SM	
b. CIG:	
c. Max Wind Velocity: kts	
Trail Size Control Control Size Size Size Size Size Size Size Size	kts
	4 F 10F4 , 5 S4F
РОН	_7965
20. Maximum Takeoff Weight	
a. Normal	lbs
21. Maneuvering Speed	
a. 1650 lbs	mph
22. Never Exceed Speed (Vne)	mph
23. Maximum window open speed:	mph
24. Precautionary Landing Approach	
a. Airspeed Recommended	mph
b. Airspeed Minimum	mph
25. Takeoff (Normal)	. 7 - 7 - 7 - 7
a. Lift Off	mph
b. Climb	mph
26. Takeoff (Short Field)	the state of the s
a. Lift off	mph
b. Climb	mph Vx
27. Climb	
a. Normal	mph
b. Best Rate of Climb (Vy)	
c. Best Angle of Climb (Vx)	mph
28. Normal Landing	90 mmon •
a. Approach Airspeed	mph
29. Short Field Landing	
a. Approach Airspeed	mph
30. What are the following Oil System limitations?	
a. Minimum oil level for normal flight ?	
b. Normal operating range of the oil press	
c. Normal operating range of the oil temp	
31. What is the Emergency Procedure for a Engine F	Fire In Flight?

	a.	
	b.	
	C.	
	d.	
	e.	
	f.	
22		rpe of electrical system does the aircraft have?
JZ.		
	a.	
22	1471 - 1 1	
33.	2.5	pe of fuel system does the aircraft have, and how is it vented?
	a.	
34.		ill your landing ground roll be given the following conditions?
	a.	Pressure Altitude2000'
	b.	Outside Air Temp 80F
v.	C.	Takeoff Distance (Ft)
	d.	50 Ft. Obstacle (Ft)
	■ Facilization and	
	Name:	
	Date:	
	Score:	
	CFI:	
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