USAF Academy Flight Training Center

Cessna 172 Aircraft Exam **Updated February 2024**

Instructions

Complete the following exam using the answer sheet provided. Do not assume information not specifically provided in the questions. You will need the Cessna 172 M/N and P model Information Manuals and the Supplemental Type Certificate for Cessna 172 M model. Questions 1 - 25 are open book. The closed book exam (emergency procedures) will be on a separate answer sheet.

	ndard fuel tanks can hold gallons of fuel. Total Long-range tanks for this model can hold gallons gallons.
	standard fuel tanks can hold gallons of fuel. Total Long-range tanks for these models can hold gallons gallons.
Francisco 2 and 4 automores	
Certificate and updated weight and	he appropriate aircraft's metal binder Supplemental Type I balance information. Our Aircraft are upgraded to 180hp I the aircraft weight and balance from the POH.
Certificate and updated weight and engines, which changes 3. The maximum certified take	l balance information. Our Aircraft are upgraded to 180hp

II.	Limitations				
	5.	The maximum flap extended speed (Vfe) for the C-172 M & N is, while the P			
		is			
		a. 85 KIAS / 100 KIAS			
		b. 85 KIAS / 110 KIAS			
		c. 85 mph / 100 mph			
		d. 90 KIAS / 105 mph			
	6.	The maximum flap extended speed (Vfe) with flaps 10°-30° for the C-172P is kts.			
		a. 110 KIAS			
		b. 85 KIAS			
		c. 95 KIAS			
		d. 85 KCAS			
	7.	Never Exceed Speed (Vne) in the C-172 N is, and in the C-172P is kts.			
		a. 128 KIAS / 158 KIAS			
		b. 160 KIAS / 158 KIAS			
		c. 160 KIAS / 127 KIAS			
		d. 155 KIAS / 125 KIAS			
	8.	Maximum Structural Cruising Speed (Vno) in the C-172M&N is, while in the C-172P it is			
		a. 128 KIAS / 127 KIAS			
		b. 140 KIAS / 127 KIAS			
		c. 160 KIAS / 127 KIAS			
		d. 155 KIAS / 125 KIAS			
	9. The demonstrated crosswind limit in C-172 aircraft is kts.				
		a. 10			
		b. 15			
		c. 18			
		d. 20			
III.	No	ormal Procedures			
		10. After starting the engine, the oil gage should show pressure within seconds in the			
	10	summer and within seconds in very cold weather.			
		a. 30 / 45			
		b. 30 / 60			
		c. 30/30			
		d. 60/90			

11. The m	nixture in the C-172M/N/P should be leaned prior to takeoff from fields above feet elevation.
a.	
	6500
	3000
a.	2500
	ked landing (go-around) climb, reduce the flap setting to immediately after
_	ower is applied.
	0°
	20°
c.	30°
d.	10°
13 Flans	ettings greater than are not approved for takeoff.
_	10°
	20°
	30°
d.	40°
a. b.	stall warning horn sounds kts above the stall in all configurations. $5-10$ $0-5$ $5-7$ 8
15. If you	enter a spin, the following recovery should be used:
1)	Throttle – IDLE, Ailerons – NEUTRAL
2)	Apply and hold full rudder opposite to the direction of rotation
3)	Just after the rudder reaches the stop, move the control wheel briskly forward far enough to brake the stall
4)	Hold these control inputs until rotation stops
5)	As rotation stops, neutralize rudder, and make a smooth recovery from the resulting dive.
a.	True
b.	False
16. The	best glide speed in the C-172M, N, or P is knots.
a.	70
	65
	68
u.	60

	17. The true airspeed (TAS) in Colorado is always than the indicated airspeed (IAS).
	a. Lower
	b. Higher
	c. No different
	18. To climb from the academy airfield to 9,500 feet MSL in a 2400lb C-172 P would take minutes, with gallons of fuel used, and distance of NM traveled.
	Note: Don't add fuel for taxi
	a. 10/1.5/11 b. 0.5/1.5/12
	b. 9.5 / 1.5 / 13
	c. 8.0 / 1.8 / 12
	d. 7.5 / 2.5 / 14
v.	Airplane Systems
	19. The engine in the C-172P has spark plug(s) in each cylinder and engine driven magneto(s).
	a. 1, 1
	b. 1, 2
	c. 2, 2
	d. 2, 1
	20. Fuel flows by from the two wing tanks to a four-position selector valve in the C-172M/N/P.
	a. Gravity
	b. an electric pump
	c. a hydraulic pump
	d. an aneroid mixture valve
	21. The C172 braking system has a single-disc, hydraulically-actuated brake on each main landing gear wheel. Each brake is connected by a hydraulic line to a master cylinder attached to each of the pilot's rudder pedals.a. True
	b. False
	22. The C-172P model with: Standard fuel tanks can hold U.S. gallons of fuel, Extended range fuel tanks hold U.S. gallons. Total standard unusable fuel is U.S. gallons, Total extended unusable fuel is U.S. gallons. a. 53, 43, 4, 3 b. 43, 54, 3, 4
	c. 54, 44, 2, 3
	d. 43, 50, 4, 3

IV. Performance

23.	There	are points from which to drain fuel for the C-172P.
	a.	5
	b.	8
	c.	3
	d.	15
24.	The fu	nel shutoff valve is located in the C-172P.
	a.	on the floor between the pilots seats
	b.	above and to the right of the fuel selector control
	c.	below the primer
	d.	under the pilot's/left seat
25.	What	is the oil capacity of the C-172P models?
	a.	8
	b.	10
	c.	6
	d.	7